LUFKIN 50 FT.
LUFKIN 25 FT.
10 FT. LUFKIN
LUFKIN 50
LUFKIN

Lufkin®

Measuring Tools
Catalog 203

G·T·S
DETROIT
531-7666

TABLE OF CONTENTS

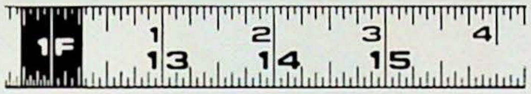
- **Derrick Tapes** 19
- Derrick 19
  - Metric Derrick 19
  - Metric-English Derrick 19
- **Engineering & Surveying Tapes** 22-27
- Accessories 29-30
- Canyon 27
- Canyon Metric 27
- Chrome Clad 22
- Hi-Way Nubian 25
- Metric Hi-Way Nubian 25
- Michigan 27
- Minvar 24
  - Metric Minvar 24
- Peerless Chrome Clad 23
- Peerless Nubian 23
- Pioneer Chrome Clad 26
- Pioneer Nubian 26
  - Metric Pioneer Nubian Engineers Chain Tape 26
- Reels for Chain Tapes 28
- Super Hi-Way Chrome Clad 25
- Topographic Trailer 27
- Western Chrome Clad 22
- Wolverine Chrome Clad 24
- **Flat Rules** 35-37
- **Folding Rules** 32-35
- **Hi-Line Tapes** 20, 21
  - Metric-English Hi-Line 21
- **Loggers Tape Rule** 15
- **Long Steel Tapes** 9-15
- Artisan Diameter 13
- Artisan Tree Tape 13
- Banner 12
  - Metric Banner White Clad 12
  - Metric-English Banner 12
- Challenge Nubian 10
- Challenge Nubian W/Special End Hook 11
- Challenge Stainless 11
- Chrome Clad 9-10
  - Metric Chrome Clad 9
  - Metric-Decimal Chrome Clad 9
  - Metric-English Chrome Clad 10
- HW50 & HW100 13
- Millmen's Nubian 14
- Ni-Clad 11
  - Metric-English Ni-Clad 11
- No. 50 & No. 100 13
- Pole Tape 14
- Steel Tape Line Accuracy 15
- **Measuring Wheel** 15
- **Merchandisers** 38-39
- **Metal Flat Rules** 37

Miscellaneous

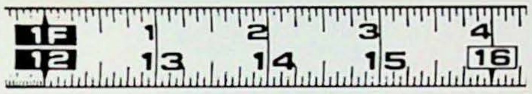
- How To Change Blades 8
- Metric Conversion Tables 40
- Mezurlok Features 1
- Tank Strapping Tapes 23
- Tape Repair Kits 31
- Woven Tape Accuracy 21
- **Numerical Index** 41-43
- **Oil Gaging Long Tapes** 16-17
- Atlas Chrome Clad 16
  - Metric Atlas Chrome Clad 16
  - Metric-English Chrome Clad 16
- Atlas Nubian 17
  - Metric Nubian 17
  - Metric-English Nubian 17
- Chrome Gaging Tape 17
- Outage Bobs 18
- Plumb Bobs 18
- Stainless Steel 17
- Tape Wipers 18
- **Reels** 28
- **Short Tape Measures** 1-8
- Architect's Pocket Scale 8
- Executive Diameter 6
- Executive Thinline 6
  - Metric Diameter Executive 6
  - Metric-English Executive 6
- Lokmatic 2
  - Metric-English Lokmatic 3
- Metric-English Medical 8
- Metric-English Woven 8
- Mezurall 3, 4, 5
  - Metric-English Mezurall 4
  - Metric-English Mezurall Chrome Clad 5
  - Metric Mezurall Chrome Clad 5
  - Metric Mezurall White Clad 4
  - Metric Mezurall Yellow Clad 4
- Mezurlok 1, 2
  - Metric Mezurlok 2
  - Metric-Decimal Mezurlok 2
  - Metric-English Mezurlok 2
- Nubian Pocket Tape 7
  - Metric Diameter Nubian 8
  - Metric-English Pocket Nubian 7
- Pee Wee 5
  - Metric-English Pee Wee 6
- W826 Series 5
  - W826 Metric-English 5
- Wizard 7
- Wizard Junior 7
  - Metric-English Wizard Junior 7
- 8312 Series 5
- **Wood Flat Rules** 35-37
  - Metric-English Wood Meter Stick 36
- **Wood Folding Rules** 32-35
- Brick Masons 34
- Doyle Log Scale 35
- Engineers 33
- English-Metric Universal 35
- Extension 32
- Home Shop 34
- Modular Spacing 34
- Plumbers 33
- Red End 32
  - Metric-English Red End 33
- Two Way 33
- **Woven Non-Metallic Tapes** 19-21
- Fiber Glass Reel Type 20
- Fiber Glass Reel Type Decimal 20
  - Fiber Glass Reel Type Metric 20
- Hi-Line 20, 21
- Decimal Hi-Line 21
- Metric Hi-Line 21
  - Metric-English Hi-Line 21
- Woven Fiber Glass 19
- Woven Fiber Glass Decimal 19

Mezurlok® Professional Quality Power Tapes

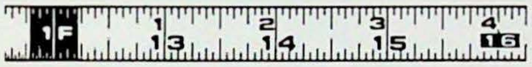
Lightweight, rugged Cycolac* chrome case. Patented bumper cushions blade return; reduces end hook breakage. Natural-Action toggle switch holds blade for accurate measure. These rugged lightweights are comfortable to use and hold. Blades are protected by tough no seam epoxy coating. Removable belt clip. Black and red numerals on yellow background provide easy readability. Blades are graduated feet and inches to 16ths top edge. Consecutive inches to 16ths bottom edge; first 12 inches to 32nds. 16 inch centers are designated in red. Y25 has black markings only.



Front



Y16, Y25

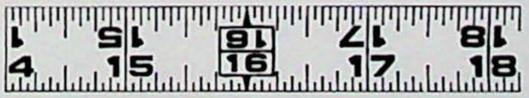


Y28, Y210, Y212

Cat. No.	Blade Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Blade No.
Y28	½" x 8'	6	72	27	RY8
Y210	½" x 10'	6	72	28	RY10
Y212	½" x 12'	6	72	24	RY12
Y12	¾" x 12'	6	72	30	RY312
Y16	¾" x 16'	6	72	42	RY316
Y25	¾" x 25'	6	36	29	RY325

TY25-Two-Way Mezurlok® Right or Left Hand

Bold black graduations on a ¾" yellow blade, reads right to left and left to right. No creep toggle lock holds blade for accurate measure. Patented rubber shock absorber cushions blade return, reduces end hook breakage. Other Mezurlok features include; 16" centers clearly indicated by boxed numbers and rugged lightweight Cycolac® chrome case with removable belt clip.

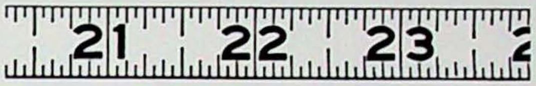


TY25

Cat. No.	Blade Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Blade No.
TY25	¾" x 25'	6	36	29	RTY325

Chrome Clad® Mezurlok®

Chrome clad blade and Mezurlok power tape case offer durability and operating features needed by the industrial user. Rubber shock absorber reduces end hook breakage. Positive toggle lock holds blade for accurate measure. Adjustable end hook and belt clip. Individually boxed. The C212X is graduated to 10ths of inches on both edges with the first 12 inches on lower edge, graduated to 50ths.

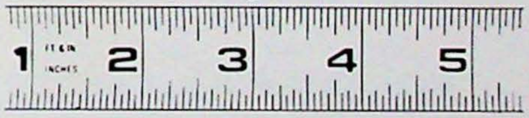


C6, C8, C10, C12

Cat. No.	Blade Desc.	Std. Pk.	Lb. Wt. Ea.	Repl. Blade No.
C6	½" x 6'	1	¼	RC6
C8	½" x 8'	1	5/16	RC8
C10	½" x 10'	1	⅜	RC10
C12	½" x 12'	1	7/16	RC12
C212X	½" x 12'	1	7/16	RC12X

Y125 — 1" Wide Mezurlok® Power Tape

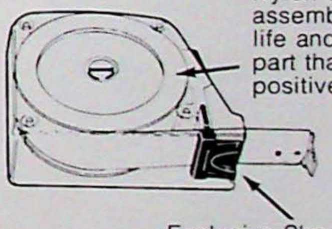
New wider Lufkin Mezurlok power tape to measure longer distances single-handedly. Stands straight and true at longer lengths. Patented bumper cushions blade return; reduces end hook breakage. Graduated feet and inches to 16ths top edge; consecutive inches to 16ths bottom edge; first 12 inches to 32nds. 16 inch centers are designated in red.



Cat. No.	Blade Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.
Y116	1" x 16'	6	36	27
Y125	1" x 25'	6	36	40

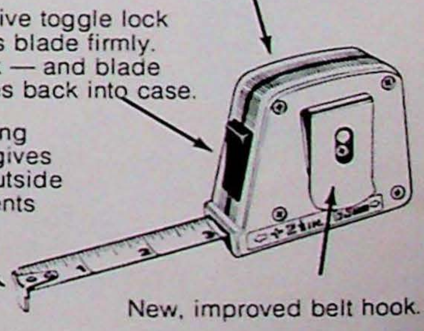
Lufkin® Short Tapes

Mezurlok® – The Finest Power Tape Available. Here's why:



Nylon drum shell assembly extends blade life and is the working part that enables smooth-positive blade action.

Exclusive Shock Absorber protects end hook from damage when returning blade to case.



Lightweight durable chrome plated case.

Positive toggle lock holds blade firmly. Click — and blade glides back into case.

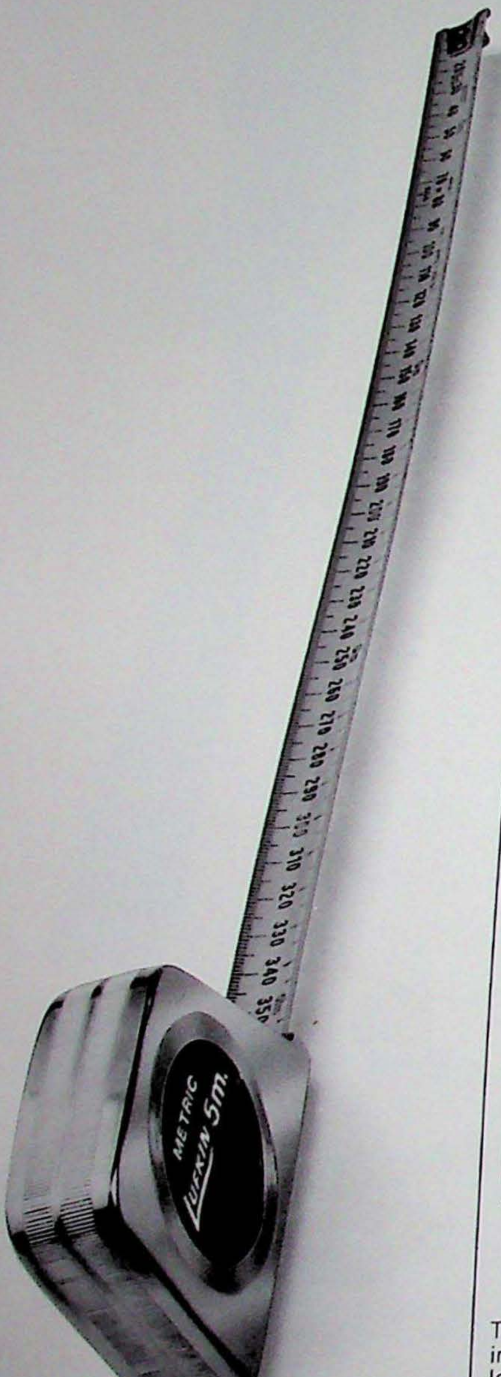
Self-adjusting end hook, gives inside or outside measurements accurately.

New, improved belt hook.

---

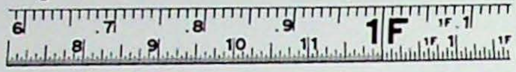
*Cycolac is a registered Trademark of Borg-Warner Corp.

Lufkin® Short Tapes



Engineer's Mezurlok®

This Mezurlok power tape locks blade in place to free hand and features the rubber bumper which protects the end hook. Upper edge of blade is graduated to 10ths and 100ths of feet. Lower edge graduated feet and inches to 16ths. First 12 inches graduated to 32nds on lower edge.

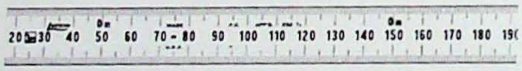


12D

Cat. No.	Blade Desc.	Std. Pk.	Lb. Wt. Each	Repl. Blade No.
12D	¾" x 12'	1	⅝	RW312D

Metric Mezurlok®

This power tape has positive toggle lock, exclusive rubber bumper, and belt clip. The metric blade has a self adjusting end hook for inside or outside measure. Blade is graduated to millimeters on both edges. The blade reads instantaneous with meter numbered at the 50th millimeter of every decimeter. Every 10th millimeter is numbered in each meter. Decimeter and meter numbers are red. Bold black graduations, red markings on the yellow background are easy to read. Available ½" x 3M and ¾" x 5M.

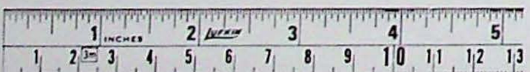


Y16M, Y210M

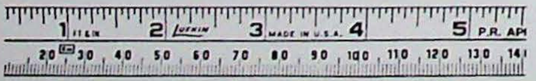
Cat. No.	Blade Description	Standard Packed
Y16M	¾" x 5m	1
Y210M	½" x 3m	1

Metric-English Mezurlok®

This professional power tape rule is graduated in feet, inches on upper edge; millimeters on the lower edge. Available with ¾" blade in 3, 5 & 8 meter lengths and ½" blade in 3 meter length. Yellow blade with red and black graduations and figures have unsurpassed readability.

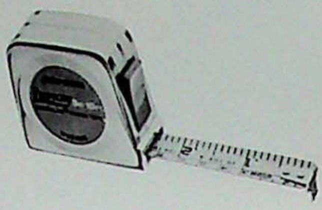


Y10ME, Y16ME, Y210ME



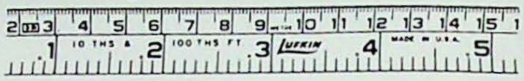
Y26ME

Cat. No.	Blade Desc.	Std. Pk.	Lb. Wt. Each	Repl. Blade No.
Y10ME	¾" x 3m (10')	6	⅜	RY310ME
Y16ME	¾" x 5m (16')	6	½	RY316ME
Y210ME	½" x 3m (10')	6	5/16	RY10ME
Y26ME	¾" x 8m (26')	6	4/5	RY326ME



Metric-Decimal Mezurlok®

This engineer's tape rule is graduated in millimeters on the top edge and decimal graduations (10th and 100th of feet) on the bottom edge. The blade is ¾" by 3 meter. Black numbers on bright white surface.



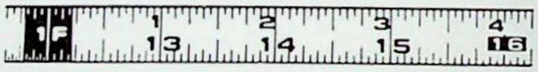
W933MD

Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
W933MD	¾" x 3m (10')	6	RW33MD

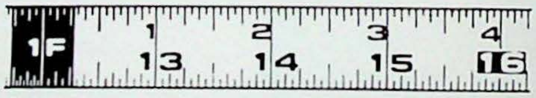
LUFKIN
PRESS HERE
12FT.

Lokmatic®

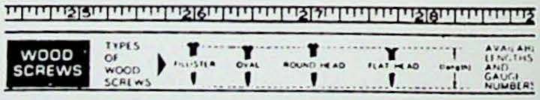
Push button controlled blade return and positive blade locking make this the only completely automatic tape rule. Removeable belt clip. Bold graduations with black and red numbers make accurate measurement easy. The W7312 and Y7312 have handy reference tables on the backside. Blades are graduated feet and inches to 16ths top edge. Consecutive inches to 16ths bottom edge, first 12 inches to 32nds. 16 inch centers are designated in red.



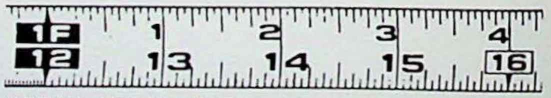
W728, W7210, W7212
Front



Back



W7312, Y7312



W7316, Y7316, C7312 (similar)

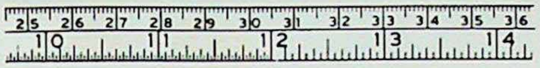
Cat. No.	Blade Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Blade No.
Y7312	¾" x 12'	6	72	28	RY312
Y7316	¾" x 16'	6	72	38	RY316
W728	½" x 8'	6	72	19	RW8
W7210	½" x 10'	6	72	22	RW10
W7212	½" x 12'	6	72	22	RW12
W7312	¾" x 12'	6	72	28	RW312
W7316	¾" x 16'	6	72	38	RW316

Lufkin® Short Tapes

LUFKIN
PRESS HERE
2m 6ft

Metric-English Lokmatic®

The Lokmatic blade is graduated in feet to inches on lower edge and millimeters on upper edge of ½″ blade. The automatically controlled blade has bold black graduations on a snow white background. Available in 2 and 3 meter lengths.



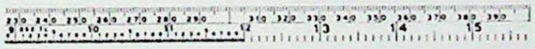
W726ME, W7210ME

Cat. No.	Blade Desc.	Std. Pk.	Lb. Wt. Ea.	Repl. Blade No.
W726ME	½″ x 2m (6′)	6	⅜	RW6ME
W7210ME	½″ x 3m (10′)	6	½	RW10ME

LUFKIN
PRESS HERE
3m 10ft

Y7210 MEX

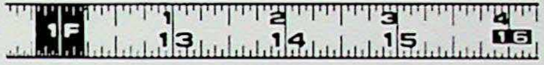
Y7210MEX is graduated 50ths (.02) of a foot for the first foot and 10th of inches the balance (120 inches). The top edge of the blade is graduated in consecutive millimeters throughout the 3 meters. This tape measure is designed for the industrial application where metric and decimal measurement is practical. Every graduation mark is bold enough to be read accurately and quickly. Every tenth millimeter is numbered with one hundredth millimeter numbered in red. Automatic power tape, bold red and black markings on a contrasting yellow background.



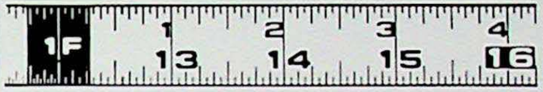
Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
Y7210MEX	½″ x 10 (3m)	1	RY10MEX

Mezurall®

The Mezurall® features include chrome plated cases with belt clip and easy to read, two color figures on a white blade protected by flowed on epoxy coating. Graduated feet and inches to 16ths top edge. Consecutive inches to 16ths bottom edge; first 12 inches to 32nds. 16 inch centers are designated. All cases are durable, lightweight Cycolac.*

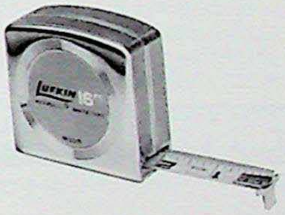


W926, W928, W9210, W9212



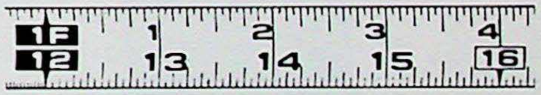
W9310, W9312
Back

Cat. No.	Blade Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Blade No.
W926	½″ x 6′	6	72	15	RW6
W928	½″ x 8′	6	72	16	RW8
W9210	½″ x 10′	6	72	20	RW10
W9212	½″ x 12′	6	72	20	RW12
W9310	¾″ x 10′	6	72	27	RW310
W9312	¾″ x 12′	6	72	27	RW312



Mezurall® 16 Foot

Lightweight rugged Cycolac* case houses an easy to read blade. Clips on belt for convenience. Black and red figures with 16 inch centers indicated. Graduated feet and inches to 16th top edge. Consecutive inches to 16th bottom edge; first 12 inches to 32nds.

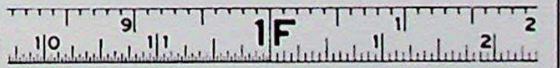


W9316

Cat. No.	Blade Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Blade No.
W9316	¾″ x 16′	6	72	35	RW316

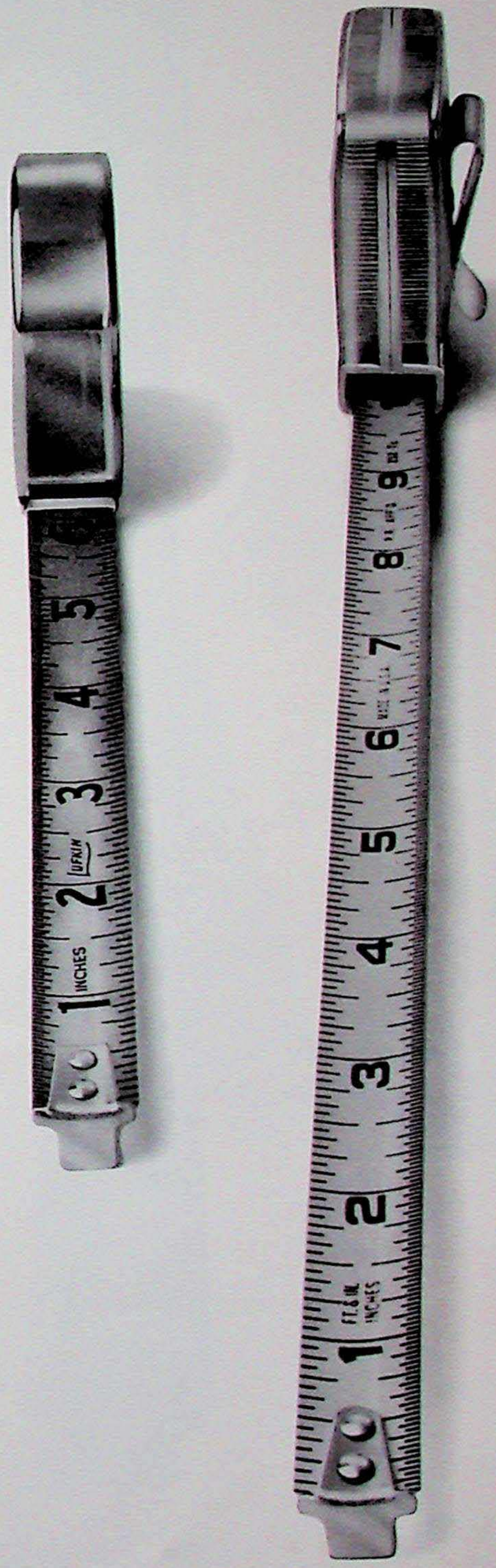
Mezurall® Decimal & Fractional

Upper edge of blade graduated to 10ths and 100ths of Feet. Lower edge graduated feet and inches to 16ths. First 12 inches graduated to 32nds on lower edge.



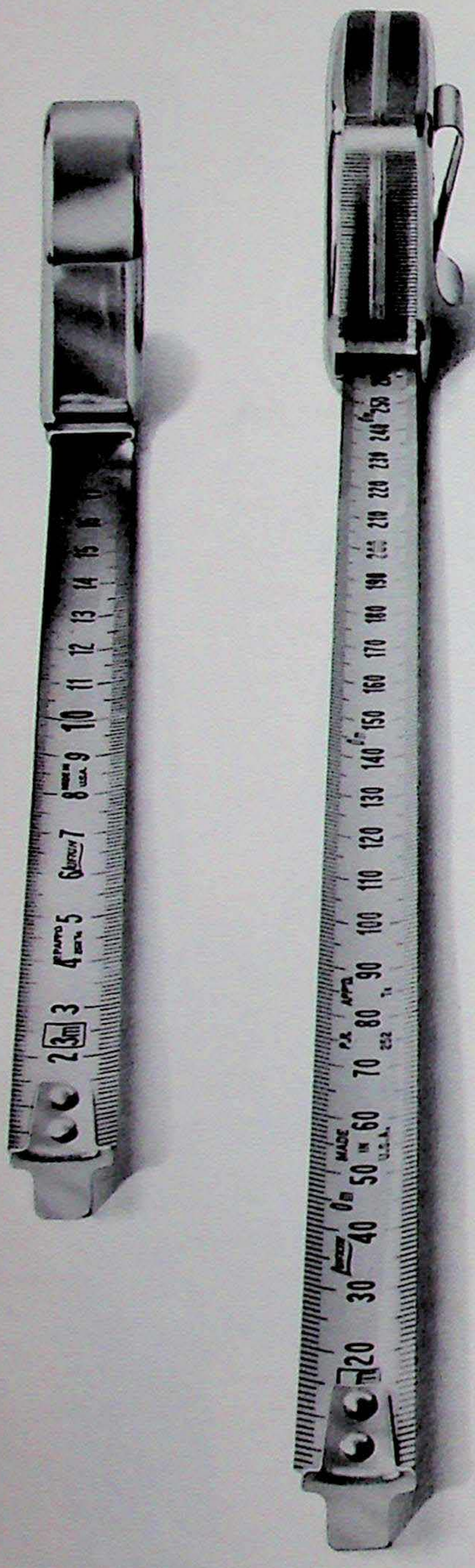
W9210D, W9312D

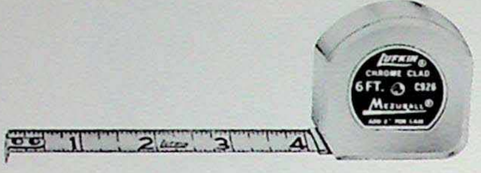
Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
W9210D	½″ x 10′	6	RW10D
W9312D	¾″ x 12′	6	RW312D



*Cycolac is a registered Trademark of Borg-Warner Corp.

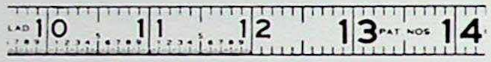
Lufkin® Short Tapes



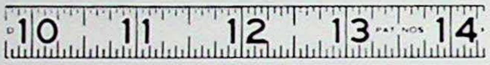

LUFKIN
CHROME CLAD
6 FT. C926
MEZURALL

Mezurall® ½″ Chrome Clad® Blades

Choice of industrial users because it is tough, accurate, and has a hard chrome plated blade graduated in consecutive inches. The steel case is rugged yet handsome — designed to take industrial usage. The C9212X is graduated to 10ths of inches on both edges with the first 12 inches on lower edge graduated to 50ths.


10
11
12
13
PAT NOS
14

C9212X

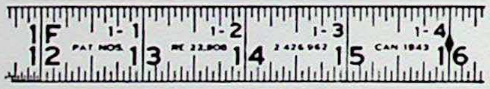

10
11
12
13
PAT NOS
14

C926, C928, C9210, C9212

Cat. No.	Blade Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Blade No.
C9212X	½″ x 12′			—	RC12X
C926	½″ x 6′	6	72	16	RC6
C928	½″ x 8′	6	72	17	RC8
C9210	½″ x 10′	6	72	20	RC10
C9212	½″ x 12′	6	72	21	RC12

Mezurall® ¾″ Chrome Clad® Blade

Bold black graduations on a long lasting satin chrome plated rigid ¾″ blade. Graduated feet and inches to 16ths top edge. Consecutive inches to 16ths bottom edge; first 12 inches to 32nds. 16 inch centers are designated. The case is durable Cycolac.*


1F
1-1
1-2
1-3
1-4
12
13
14
15
16

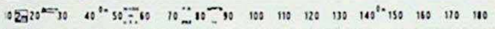
C9312

Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
C9312	¾″ x 12′	6	RC312

METRIC
LUFKIN

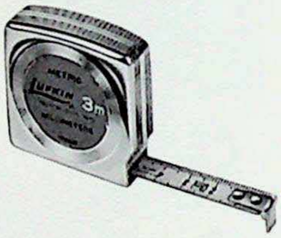
Metric Mezurall® White Clad Blade

This metric manual tape measure has a blade graduated to millimeters. Every 10th millimeter is numbered in a meter. Each decimeter and meter is numbered in red. Instantaneous meter markings at 50th millimeter of decimeter. Bold graduations and red marking are easy to read on white background.


10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180

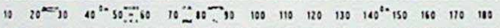
W926M

Cat. No.	Blade Desc.	Std. Pk.
W926M	½″ x 2m	1
W9210M	½″ x 3m	1


METRIC
LUFKIN 3m

Metric Mezurall® Yellow Blade

Lightweight chrome plated Cycolac* case houses a metric yellow blade. Graduated to millimeters with every 10th millimeter numbered in red in each meter. Decimeter and meters numbered in red. Blade reads instantaneous with meter numbered at the 50th millimeter of every decimeter. Bold black graduations with red marking on yellow background are easy to read.


10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180

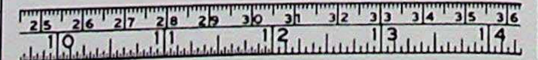
Y9210M

Cat. No.	Blade Desc.	Std. Pk.
Y9210M	½″ x 3m	1

METRIC
LUFKIN 2m 6FT.
WHITE CLAD TAPE

Metric-English Mezurall®

A smooth operating manual tape rule available with ½″ blade in 2 and 3 meter. Top edge of blade is graduated in millimeters; consecutive inches to 16ths on lower edge.


25
26
27
28
29
30
31
32
33
34
35
36
10
11
12
13
14

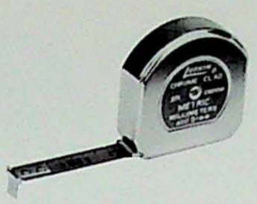
W926ME, W9210ME

Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
W926ME	½″ x 2m (6′)	6	RW6ME
W9210ME	½″ x 3m (10′)	6	RW10ME

---

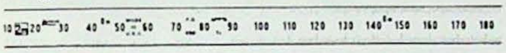
*Cycolac is a registered Trademark of Borg-Warner Corp.

Lufkin® Short Tapes



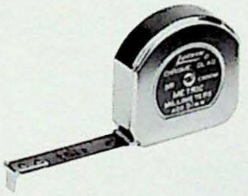
Metric Mezurall® Chrome Clad®

This manual tape measure features a metric Chrome Clad® blade tough enough for industrial use. Graduated to millimeters on both edges. Every 10th millimeter is numbered in a meter. Instantaneous reading meter marking at 50th millimeter of every decimeter. Bold black markings are protected by epoxy coating on the tough Chrome Clad® blade.



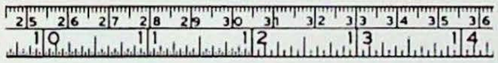
C9210M

Cat. No.	Blade Desc.	Std. Pk.
C9210M	½" x 3m	1

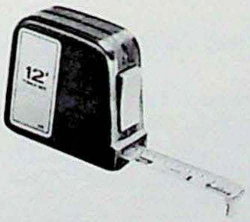


Metric-English Mezurall® Chrome Clad®

Features a Metric-English Chrome-Clad® blade. Available with ½" blade in 2 and 3 meter. Top edge of blade is graduated in millimeters; consecutive inches to 16ths on lower edge.

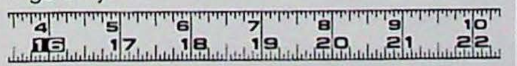


Cat. No.	Blade Desc.	Std. Pk.
C926ME	½" x 2m (6')	6
C9210ME	½" x 3m (10')	6

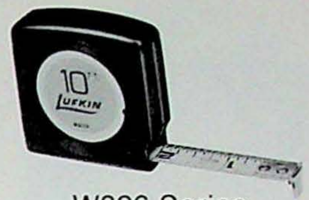


Economy Series

Durable, high-impact styrene case. Positive toggle lock holds blade firmly for accurate measure. Black numerals on yellow background provide easy readability. Blades are graduated feet and inches to 16ths top edge. Consecutive inches to 16ths bottom edge; first 12 inches to 32nds. 16 inch centers are designated in red. Catalog No. 8325 has black markings only.

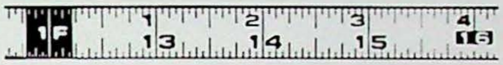


Cat. No.	Blade Desc.	Std. Pk.	Case Wt.	Case Qty.
8312	¾" x 12'	6	30 lbs.	72
8316	¾" x 16'	6	40 lbs.	72
8325	¾" x 25'	6	60 lbs.	72
8010	½" x 10'	6	28 lbs.	72
8012	½" x 12'	6	31 lbs.	72



W826 Series

Lightweight (6' model: 2 oz.) and smooth case make it a true pocket tape. Moderately priced for the do-it-yourselfer, but not lacking in quality or accuracy. Graduated feet and inches to 16ths top edge. Consecutive inches to 16ths bottom edge; first 12 inches to 32nds. 16 inch centers are designated.

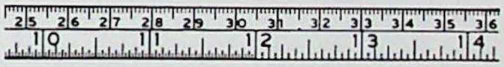


W826, W8210, W8212

Cat. No.	Blade Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Blade No.
W826	½" x 6'	6	72	13½	RW6
W8210	½" x 10'	6	72	18	RW10
W8212	½" x 12'	6	72	19	RW12

W826 Metric-English

This is a moderately priced tape rule for the occasional user with millimeters on top edge of ½" blade and feet and inches on lower edge. Available in 2 and 3 meter lengths.

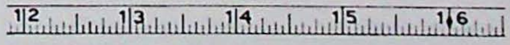


W826ME, W8210ME

Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
W826ME	½" x 2m (6')	6	RW6ME
W8210ME	½" x 3m (10')	6	RW10ME

Pee Wee®

Slim, trim easy to carry and use. Blade is flexible — bold black and red graduations on white background help to give quick accurate readings. Graduated consecutive inches to 16ths. First 12 inches graduated to 32nds. 16 inch centers designated by diamond. Foot figures in red.



W616, W618, W6110

Cat. No.	Blade Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Blade No.
W616	¼" x 6'	6	72	13	RW616
W618	¼" x 8'	6	72	13½	RW618
W6110	¼" x 10'	6	72	14	RW6110

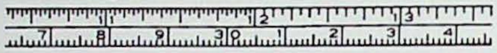
Lufkin® Short Tapes

LUFKIN
EXECUTIVE THINLINE
6 FT.
W606

2m.
6 ft.
LUFKIN
W616ME

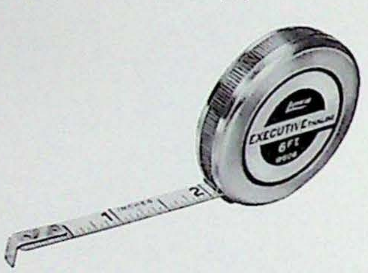
Metric-English Pee Wee®

This is an ideal Metric-English tape rule for home or office. The ¼" blade has easy to read millimeter graduations on lower edge with inches to 16ths on upper edge. Available in 2 meter length.



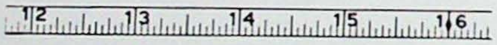
W616ME

Cat. No.	Blade Desc.	Std. Pk.
W616ME	¼" x 2m (6')	6



Executive® Thinline

Polished chrome case rates pride of ownership. Convenient for office, brief case and pocket. Spring action returns blade to case. Bold black and red print on a snow white background assists in making quick accurate measurements. Graduated consecutive inches to 16ths. First 12 inches graduated to 32nds. 16 inch centers designated by diamond. Foot figures in red.

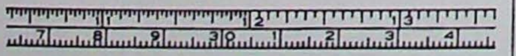


Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
W606	¼" x 6'	6	RW616
W608	¼" x 8'	6	RW618

EXECUTIVE THINLINE
6 FT.
2M
LUFKIN
W606ME

Metric-English Executive®

The ¼" flexible blade is marked consecutive inches on top edge and millimeters on the lower edge. Lufkin's Executive Thinline polished chrome case rates pride of ownership. Available in 2 meter length.



W606ME

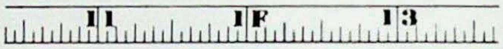
Cat. No.	Blade Desc.	Std. Pk.
W606ME	¼" x 2m (6')	6

EXECUTIVE
6 FT.
W606PD
LUFKIN

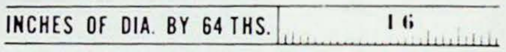
Executive® Diameter

Both models in this series are graduated in diameter inches on one side, permitting direct reading of diameter of pipes, cables, tires or other circular objects. Model W606P shows diameter inches to 64ths. Model W606PD shows diameter inches to 100ths. Zero falls in the same place on each side of the blade; conversion from diameter to circumference is made simply by turning the blade. All markings are bold black on a white background. The other side of each tape is graduated inches to 16ths with first 6 inches to 32nds.

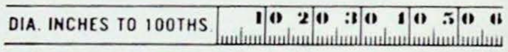
Front



Back

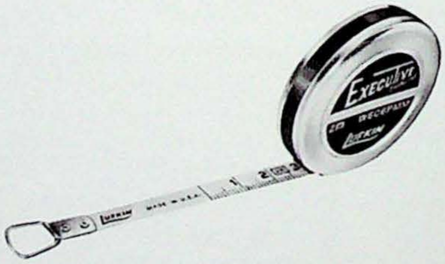

INCHES OF DIA. BY 64 THS.
16

W606P



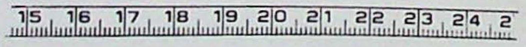
W606PD; front side same as for W606P

Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
W606P	¼" x 6'	6	—
W606PD	¼" x 6'	6	RW06PD

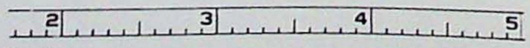


Metric Diameter Executive®

The Executive W606PM is convenient to carry as well as do what it is built to do — measure. The ¼" wide flexible blade is graduated in millimeters throughout its two meter length. Flip it over, wrap it around a cylindrical object, you can read the correct diameter at a glance in millimeters. Bold black markings on white background are extremely durable.



Front



Back

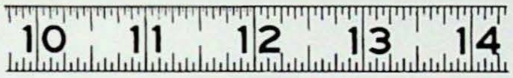
Cat. No.	Blade Desc.	Std. Pk.
W606PM	¼" x 2m	1

Lufkin® Short Tapes

LUFKIN®
10 FT.
6810
WIZARD®
MADE IN U.S.A.

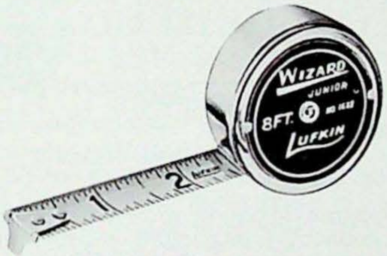
Wizard®

Easy to read nickel plated blade and nickel plated steel case assures you of a long lasting measuring tool. End hook is stationary. Black markings one side only. Consecutive inches to 16ths. First 12 inches top edge to 32nds. 16 inch centers are indicated.


10
11
12
13
14

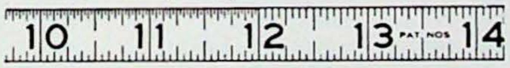
688, 6810

Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
688	⅝" x 8'	6	RN88
6810	⅝" x 10'	1	RN810


WIZARD
JUNIOR
8FT.
LUFKIN

Wizard® Junior

Both the blade and case are nickel plated steel for extra durability. Graduated in consecutive inches to 16ths with 16 inch centers designated. First 12 inches graduated to 32nds. End hook is self-adjusting.


10
11
12
13
PAT. NOS.
14

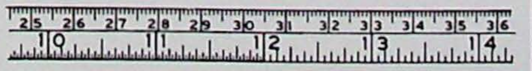
1688

Cat. No.	Blade Desc.	Std. Pk.
1688	½" x 8'	6

WIZARD
JUNIOR
6FT.
LUFKIN
MADE IN U.S.A.

Metric-English Wizard® Junior

The Wizard tape rule has a nickel plated case and blade. The ½" wide blade is graduated in consecutive inches on the lower edge and millimeters on top edge. This easy to carry round tape rule is 2 meters long.


25
26
27
28
29
30
31
32
33
34
35
36
10
11
12
13
14

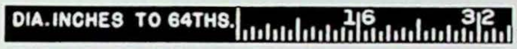
1686ME

Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
1686ME	½" x 2m (6')	6	RN6ME

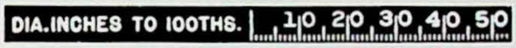
LUFKIN®
MADE IN U.S.A.
6 FT.
STEEL TAPE
146P

Nubian® Steel Pocket Tape

Both the nickel plated case and blade with raised steel markings are designed for extra long wearing capability. Push button automatic blade return. Model 146P has consecutive inches to 16ths on one side and diameter inches in 64ths on the reverse side. 143PD and 146PD are similar to 146P except that diameter inches are graduated in 100ths. All models have a blank space before zero.


DIA.INCHES TO 64THS.
16
32

146P


DIA.INCHES TO 100THS.
10
20
30
40
50

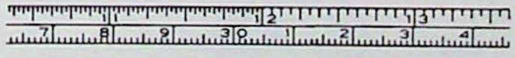
143PD, 146PD.

Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
143PD	¼" x 3'	6	0143PD
146P	¼" x 6'	6	0146P
146PD	¼" x 6'	6	0146PD

LUFKIN
MADE IN U.S.A.
6 FT. 2 M
STEEL TAPE
No. 146ME

Metric-English Pocket Nubian®

The push button controlled blade has raised steel markings on a contrasting black background. The blade's top edge is graduated in consecutive inches and millimeters on the lower edge. There is a blank space before zero on this ¼" wide 2 meter blade.

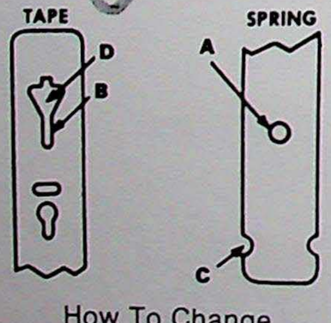

1
2
3
7
8
9
10
1
2
3
4

146ME

Cat. No.	Blade Desc.	Std. Pk.	Repl. Blade No.
146ME	¼" x 2m (6')	6	0146ME

Lufkin® Short Tapes

LUFKIN
MADE IN U.S.A.
1/4 & 1/8 SCALE
ARCHITECTS
WHITE CLAD
W393
1
2
3
4
5
6
1/4 SCALE
U.S.A.
MD


TAPE
D
B
SPRING
A
C

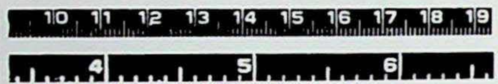
How To Change Tape Measure Blades

1. Pull old blade out past end until about 2 inches of bluish metal spring is exposed. Put nail in round hole (A) in spring to hold it.
2. Note how old blade is attached then remove it.
3. New blade is reverse wound, ready to attach to spring. With blade graduations up, turn spring sideways and insert from bottom into slot (B) in new blade. Twist spring and pull back until notches (C) lock at rear of slot (D).
4. Remove nail and return blade into case.

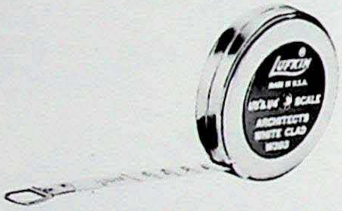
LUFKIN
MADE IN U.S.A.
METRIC
2m
DIAMETER
TAPE
146PMM

Metric Diameter Nubian®

Durability, convenience and accuracy are built into these new 1 and 2 meter automatic pocket tape measures. Both nickel plated case and blade with raised steel markings are designed for extra long wearing capability. Touch the convenient push button, blade retracts quickly. The 143PM and 146PM are graduated in consecutive millimeters for linear measurement and diameter millimeters on reverse side. Each graduation is sharp and can be read accurately. ¼" wide blade.

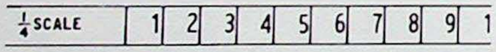

10
11
12
13
14
15
16
17
18
19
4
5
6

Cat. No.	Blade Desc.	Std. Pk.
143PM	¼" x 1m	1
146PM	¼" x 2m	1

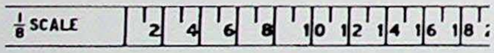

LUFKIN
MADE IN U.S.A.
1/4 & 1/8 SCALE
ARCHITECTS
WHITE CLAD
W393

Architects Pocket Scale

Manual or automatic return operation are available in these special purpose tape rules. The ¼" white steel blade has jet black markings. One side has ¼" scale (1 to 240); other side has ⅛" scale (1 to 480).


1/4 SCALE
1
2
3
4
5
6
7
8
9
1

Front

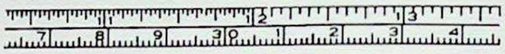

1/8 SCALE
2
4
6
8
10
12
14
16
18

Back
W393, W605A

Cat. No.	Blade Desc.	Std. Pk.
W393	¼" x 5' Automatic	6
W605A	¼" x 5' Manual	6

Metric-English M.D. (Medical)

Metric and English markings show clearly on this M. D. tape rule. Lower edge of blade shows millimeters and centimeters. Upper edge is in consecutive inches to 16ths. Blade has a blank space on the first end after the tape ring and before zero. Available with ¼" wide 2 meter blade.


1
2
3
7
8
9
30
1
2
3
4

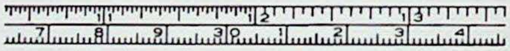
PW156ME

Cat. No.	Blade Desc.	Std. Pk.
PW156ME	¼" x 2m (6')	6

LUFKIN
MADE IN U.S.A.
6 FT.
2m
WOVEN TAPE
3176ME

Metric-English Woven

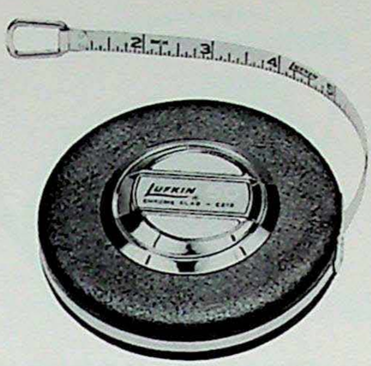
This durable dacron ¼" wide line is graduated with consecutive inches on top edge and millimeters on lower edge. A blank space is before zero. The push button returns line to case automatically. Available in 2 meter length.


1
2
3
7
8
9
30
1
2
3
4

3176ME

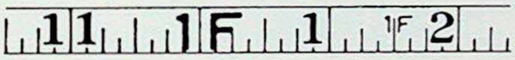
Cat. No.	Blade Desc.	Std. Pk.
3176ME	¼" x 2m (6')	6

Lufkin® Long Steel Tapes

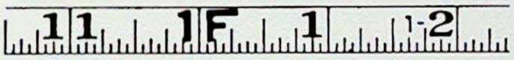


Anchor Chrome Clad®

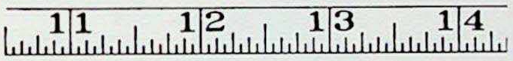
This long tape is preferred by engineers and industrial users because it is the most durable long tape available. Lufkin's chrome plated line with an epoxy coating protects bold black markings and insures added life. The case and drum assembly are designed for long wear and easy operation. C213-16ths and C216-16ths are graduated feet and inches to 16ths with instantaneous reading. C213-16ths BLK and C216-16ths BLK are graduated feet and inches to 16ths with a blank space before zero. C213C is graduated consecutive inches to 16ths. C213CX is graduated consecutive inches to 10ths of inches. Other models are feet and inches to 8ths with instantaneous reading.



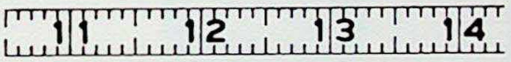
C210, C213, HC213, HC216, C313, C316



C213-16ths, C216-16ths. Line for Models C213-16ths BLK and C216-16ths BLK has same graduations but with blank space at first end.



C213C



C213CX

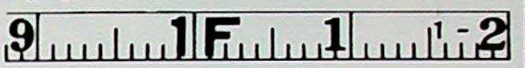
Cat. No.	Line Desc.	Std. Pk.
C210	⅜″ x 25′	1
C213	⅜″ x 50′	1
HC213	⅜″ x 50′	1
C216	⅜″ x 100′	1
HC216	⅜″ x 100′	1
C217	⅜″ x 150′	1
C313	½″ x 50′	1
C316	½″ x 100′	1
C213-16ths	⅜″ x 50′	1
C216-16ths	⅜″ x 100′	1
C213-16ths BLK	⅜″ x 50′ Blank Space before zero	1
C216-16ths BLK	⅜″ x 100′ Blank Space before zero	1
C213C	⅜″ x 600″	1
C213CX	⅜″ x 600″	1

Replacement Line:

OC210
OC213
OHC213
OC216
OHC216
OC313
OC316
OC213-16ths
OC216-16ths
OC213-16ths BLK
OC216-16ths BLK
OC213C
OC213CX

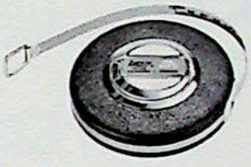
Anchor Chrome Clad® Engineers

This long tape has the built in Lufkin quality and durability of the standard Anchor. It is also available with a ⅜″ or ½″ line. This tape line, designed for and preferred by engineers, has black markings graduated feet to 10ths and 100ths.



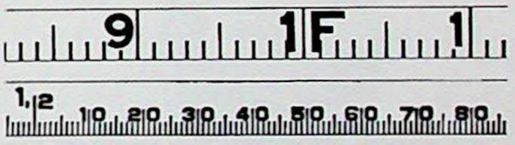
C213D, C216D, HC213D, HC216D, C313D, C316D

Cat. No.	Line Desc.	Std. Pk.	Repl. Line No.
C213D	⅜″ x 50′	1	OC213D
C216D	⅜″ x 100′	1	OC216D
HC213D	⅜″ x 50′ with folding hook	1	OHC213D
HC216D	⅜″ x 100′ with folding hook	1	OHC216D
C313D	½″ x 50′	1	OC313D
C316D	½″ x 100′	1	OC316D



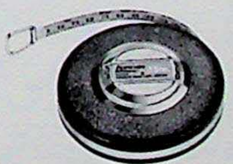
Metric-Decimal Chrome Clad®

This long tape is designed for the engineer. The line is graduated to 10ths and 100ths of feet on one side and the metric side is graduated to millimeters, with every tenth millimeter numbered, and the decimeter and meter is numbered at each decimeter. Blank space before zero. Available 15 and 30 meters.



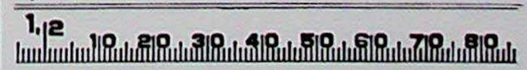
C213MD, C216MD

Cat. No.	Line Desc.	Lb. Wt. Each	Std. Pk.
C213MD	⅜″ x 15m (50′)	1	1
C216MD	⅜″ x 30m (100′)	1¾	1



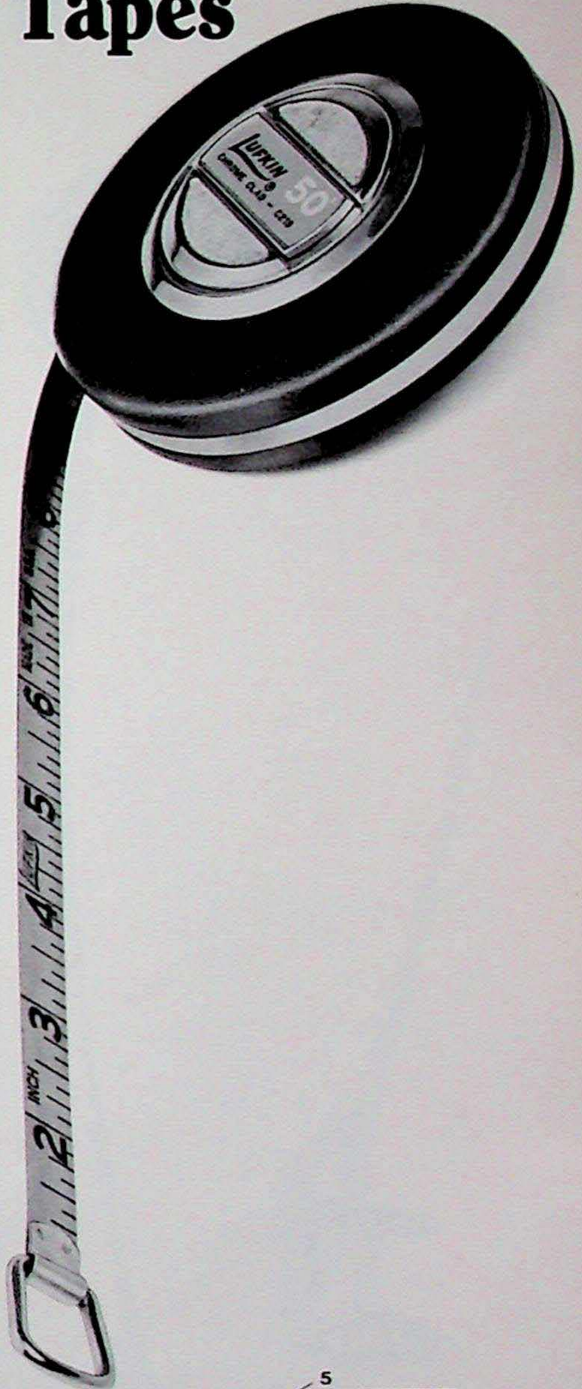
Metric Chrome Clad®

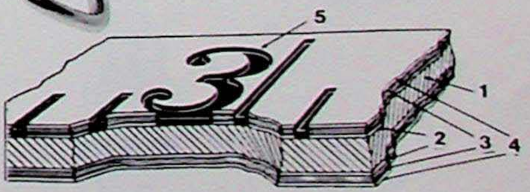
This industrial quality Chrome Clad long steel tape has a metric line graduated to millimeters with every 10th numbered in a meter. Bold black numbers give instantaneous meter-decimeter reading at each decimeter. The tape case and drum is designed for application where durability is a must.



C213M

Cat. No.	Line Desc.	Std. Pk.
C213M	⅜″ x 15m	1
C216M	⅜″ x 30m	1
C217M	⅜″ x 50m	1

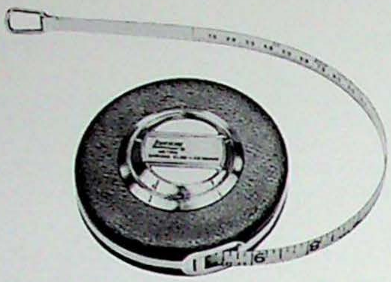




Chrome Clad® Line

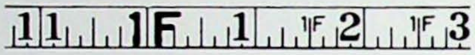
This cross-section view of the Chrome Clad® line shows why it has been hailed as a most outstanding improvement in steel tapes. A rust-resistant coating (2) plus multiple coats of electroplating (3) on the hardened steel tape (1) give remarkable protection against rust and corrosion. Then a hard, smooth chrome plating with non-glare satin finish is added (4). Jet-black markings (5) bonded to the steel are sunk below the chrome surface to protect against wear. They stand out sharply against the chrome surface.

Lufkin® Long Steel Tapes

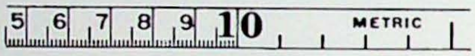


Metric-English Chrome Clad®

This Chrome Clad® line is designed for industrial applications. Quality workmanship and materials enable this measuring tool to take the punishment and still give accurate measurement. The ⅜" chrome line is graduated in feet and inches to 8ths on one side. The other side is graduated to centimeters with the first decimeter to millimeters. Available in 15 and 30 meters. There is a blank space between end ring and zero.



Front



Back

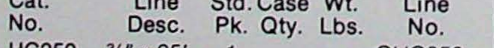
C213ME, C216ME

Cat. No.	Line Desc.	Lb. Wt. Each	Std. Pk.
C213ME	⅜" x 15m (50')	1	1
C216ME	⅜" x 30m (100')	1¾	1

Leader® Chrome Clad®

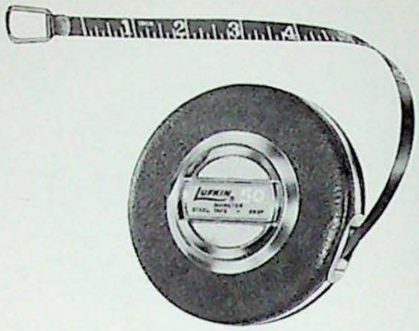
The superior features of this industrial quality Chrome Clad® long steel tape are numerous. Jet-black markings are bonded to the steel and recessed below the hard chrome surface, giving this tape line the best finish for resistance to wear, rust and heat. Final added protection against wear and abrasion is given by a flowed-on, transparent epoxy coating.

The sturdy, rust-resistant steel case has a tough, black vinyl cover. The fishing reel type drum assembly retrieves line with minimum effort. Instantaneous reading. Graduated feet, inches, and 8ths.



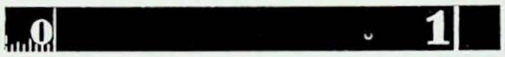
C253, C256, HC253, HC256; C253 BLK

Cat. No.	Line Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Line No.
HC250	⅜" x 25' with folding end hook	1			OHC250
C253	⅜" x 50' with plain end ring	1			OC253
C253BLK	⅜" x 50' with plain end ring and Blank Space 1st end	1			—
HC253	⅜" x 50' with folding end hook	1	24	24 lbs.	OHC253
C256	⅜" x 100' with plain end hook	1			OC256
HC256	⅜" x 100' with folding end hook	1	24	41 lbs.	OHC256



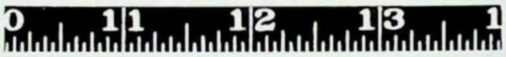
Challenge® Nubian®

The case, drum assembly, and etched tape line are designed to perform for years. 263P and SP191-00050 are graduated both sides: one side feet, inches and 8ths of inches; reverse side diameter feet and diameter inches. These tapes have an extra diameter inch before zero graduated to 64ths. SP191-00048 is graduated both sides: one side consecutive inches to 16ths; reverse side diameter feet and diameter inches. This tape has diameter inch before zero graduated to 64ths.



263P, SP191-00050

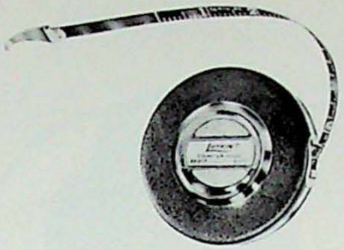
Front

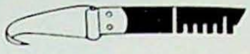


SP191-00048; other side same as back of 263P above.

Cat. No.	Line Desc.	Std. Pk.	Repl. Line No.
263P	⅜" x 50'	1	O263P
SP191-00050	⅜" x 33' Tire tape w/claw hook	1	SP191-00049
SP191-00048	⅜" x 20' Tire tape w/claw hook	1	SP191-00047

Lufkin® Long Steel Tapes

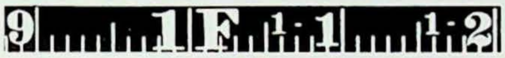




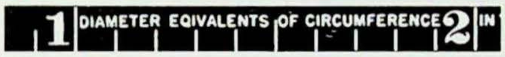
Special End Hook for 263TP

Challenge® Nubian® With Special End Hook

The case drum assembly and etched tape line are designed to perform for years. 263TP is graduated both sides: one side 10ths and 100ths of feet; reverse side diameter feet and 10ths of inches.



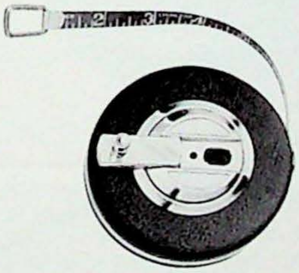
Front



Back

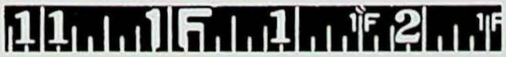
263TP

Cat. No.	Line Desc.	Std. Pk.
263TP	⅜" x 50' Tree hook	1



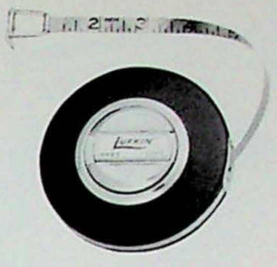
Challenge® Stainless

The raised markings in stainless steel on etched background are protected by flowed-on epoxy coating. Graduated feet, inches and 8ths. Corrosion is no problem with stainless steel line and rust resistant case.



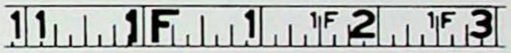
S263

Cat. No.	Line Desc.	Std. Pk.	Repl. Line No.
S263	⅜" x 50'	1	OS263



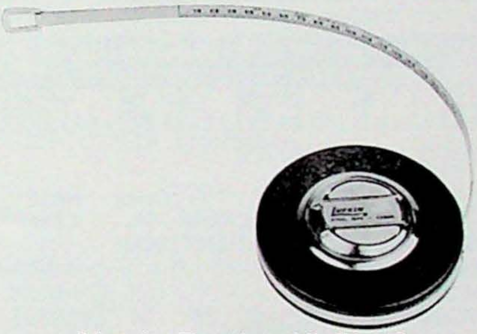
Ni-Clad®

This popular nickel plated long tape line is graduated feet, inches, and 8ths by black markings. An end hook that folds away when not needed is furnished. Instantaneous readings and 16 inch centers are indicated. The nickel plating process insures the line of a long life.



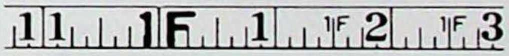
H433, H436

Cat. No.	Line Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Line No.
H433	⅜" x 50'	6	36	36	OH433
H436	⅜" x 100'	6	36	61	OH436

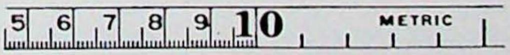


Metric-English Ni-Clad®

This popular nickel plated long steel tape is available in 15, 30, and 50 meters. The ⅜" wide line is graduated on one side in feet and inches to 8ths. The other side is graduated to millimeters. Meters are marked in larger red numbers, each decimeter is designated, and each tenth millimeter is numbered. This long steel tape has Lufkin's easy winding reel type drum assembly. H prefix designates end hook.



Front



Back

433ME, 436ME, 437ME

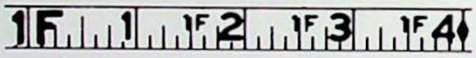
Cat. No.	Line Desc.	Lb. Wt. Each	Std. Pk.
433ME	⅜" x 15m (50')	1	1
436ME	⅜" x 30m (100')	1¾	1
437ME	⅜" x 50m (164')	2½	1
H433ME	⅜" x 15m (50')	1	1
H436ME	⅜" x 30m (100')	1¾	1
H437ME	⅜" x 50m (164')	2½	1

Replacement Line:
O433ME
O436ME

Lufkin® Long Steel Tapes

Banner White Clad®

This is the world's best selling long tape because it has Lufkin quality built in and features that professionals require. All Lufkin lines are protected by a flowed-on coating of epoxy. This process keeps bold markings easy to read.
All major parts of this steel case are chrome or brass plated to resist corrosion. The black vinyl covering is tough and long wearing. Easy winding drum returns line through double-roller throat with minimum effort. A rugged folding end hook makes long measurements a one man operation. Instantaneous markings are in red; 16 inch centers are indicated by diamond. Graduated in feet, inches, and 8ths by black markings on a white line.

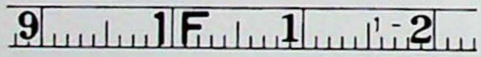


HW220, HW223, HW226

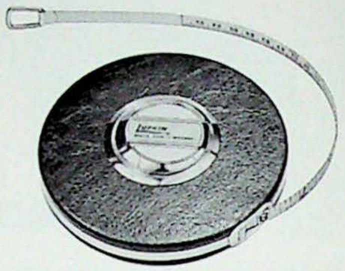
Cat. No.	Line Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Line No.
HW220	3/8" x 25'	6			OHW220
HW223	3/8" x 50'	6	36	36	OHW223
HW226	3/8" x 100'	6	36	64	OHW226

Banner Decimal Engineers Tape

Same features as standard Banner long steel tapes except line is graduated in 10ths and 100ths of feet. Bold black graduations are easy to read on the white line.

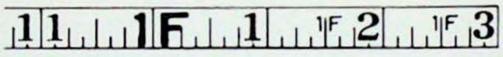


Cat. No.	Line Desc.	Std. Pk.	Repl. Line No.
HW223D	3/8" x 50'	1	OHW223D
HW226D	3/8" x 100'	1	OHW226D

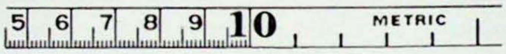


Metric-English Banner

This high quality black vinyl covered case has an easy wind reel-type winding drum. The 3/8" wide white line is graduated on one side in feet and inches to 8ths. The other side is graduated to centimeters with the first decimeter to millimeters. Available in 15, 30 and 50 meters. HW223ME, HW226ME and HW227ME have folding end hook. W223ME and W226ME have a blank space before zero.



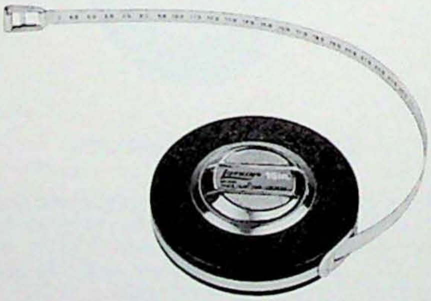
Front



Back

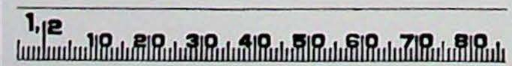
Cat. No.	Line Desc.	Std. Pk.
W223ME	3/8" x 15m (50')	1
W226ME	3/8" x 30m (100')	1
HW223ME	3/8" x 15m (50')	1
HW226ME	3/8" x 30m (100')	1
HW227ME	3/8" x 50m (164')	1

Replacement Line:
OHW223ME
OHW226ME



Metric Banner White Clad®

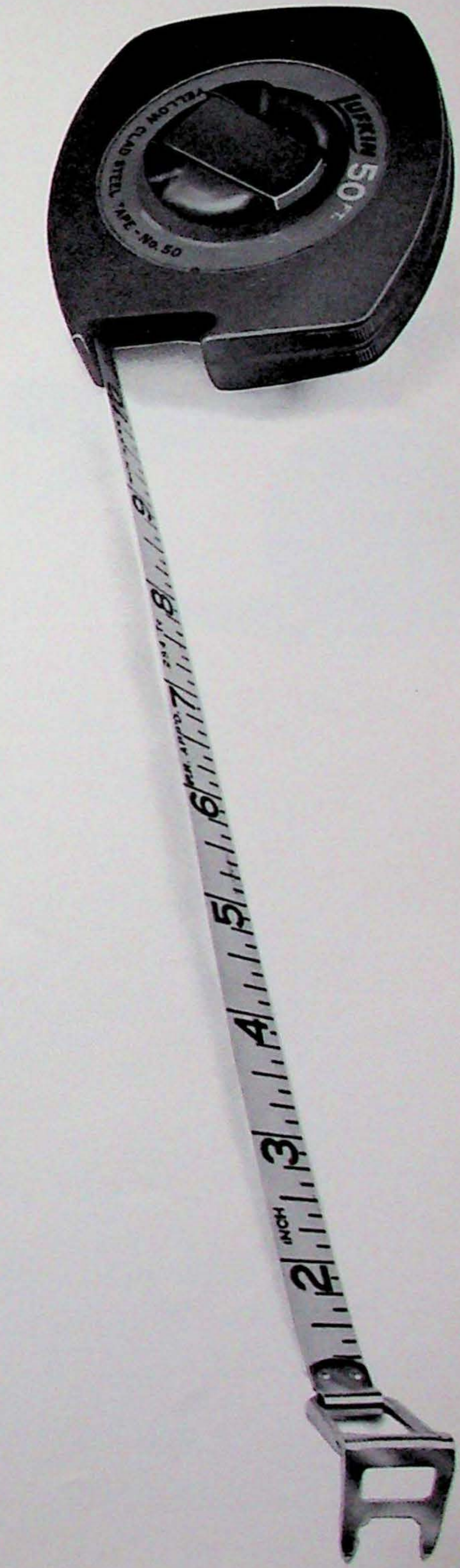
This long steel tape has all the features and quality that have made Banner a most respected long tape. The white line is graduated to millimeters. Every 10th millimeter is numbered in a meter. Line is marked to read instantaneous meter-decimeter at each decimeter. Bold black graduations, red numbers and marking help make accurate measurements easy. Complete with folding end hook.

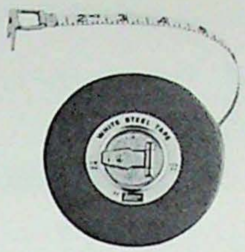


HW223M, HW226M, HW227M

Cat. No.	Line Desc.	Std. Pk.
HW223M	3/8" x 15m	1
HW226M	3/8" x 30m	1
HW227M	3/8" x 50m	1

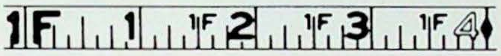
Lufkin® Long Steel Tapes





HW50 & HW100 White Tape

This long tape in a vinyl covered steel case has proven its durability for years. The white line is graduated feet, inches and 8ths by bold black markings. Feet and inches can be read at a glance as well as the 16 inch centers; designated by diamond markings.

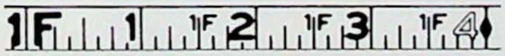


HW50, HW100

Cat. No.	Line Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Line No.
HW50	⅜" x 50'	6	36	27	OHW50
HW100	⅜" x 100'	6	36	37	OHW100

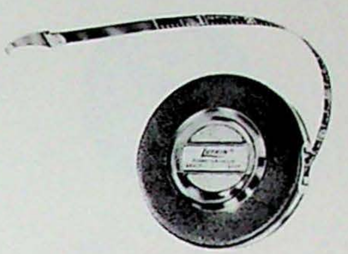
No. 50 & No. 100 Lightweight

This moderately priced lightweight features an end hook that folds flat into mouth of a high impact plastic case, an easy wind nylon drum, and accurate-easy to read yellow line graduated feet, inches, and 8ths by bold black markings. Instantaneous reading with foot marking and 16 inch centers are indicated.



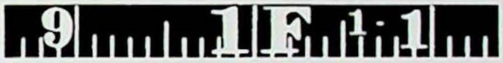
50, 100

Cat. No.	Line Desc.	Std. Pk.	Case Qty.	Case Wt. Lbs.	Repl. Line No.
50	⅜" x 50'	6	36	22	OY50
100	⅜" x 100'	6	36	37	OY100

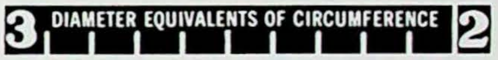


Artisan Tree Tape

Special claw hook is designed for firm anchoring of tape rule in tree bark. One side graduated feet to 10ths and 100ths of feet reading left to right, other side shows consecutive diameter inches in 10ths of inches reading right to left. Available with raised bright steel markings on an etched background or bold black markings on a long-wearing Chrome Clad® blade.



Front



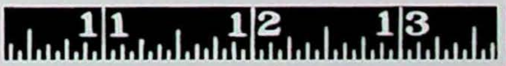
Back

120TP, C120TP (chrome)

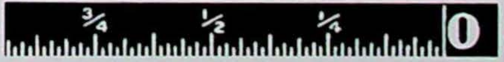
Cat. No.	Line Desc.	Std. Pk.	Repl. Line No.
120TP	⅜" x 20' Nubian	1	O120TP
C120TP	⅜" x 20' Chrome	1	OC120TP

Artisan Diameter

Raised bright markings on etched background help to make quick accurate readings. One side is graduated in 16ths of an inch and is marked in consecutive inches. The other side is in diameter inches with an extra diameter inch before zero, marked to 64ths.



Front



Back

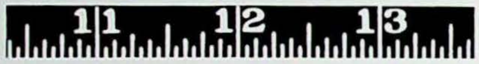
112P, 120P

Cat. No.	Line Desc.	Std. Pk.	Repl. Line No.
112P	⅜" x 144"	1	O112P
120P	⅜" x 240"	1	O120P

Lufkin® Long Steel Tapes

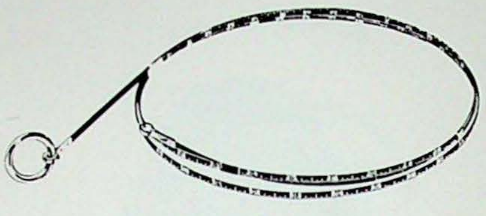
Millmen's Nubian®

One man can measure up to 240" or 300" with this tape especially designed for the mill or warehouse. Outstanding readability of raised markings on etched background. Specially designed U-shaped hook fits over edge of sheet or tube for one man measurements. Graduated consecutive inches to 16ths.



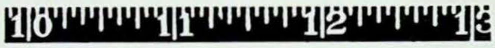
120CH, 125CH

Cat. No.	Line Desc.	Std. Pk.	Repl. Line No.
120CH	⅜" x 240"	1	0120CH
125CH	⅜" x 300"	1	0125CH

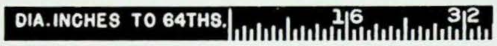


Pole Tape

Used primarily by utilities, the pole tape is furnished only without a case. The extra heavy line has raised bright steel markings on a black, etched background. One side is marked in consecutive inches to 16ths; diameter inches to 64ths other side. Blank space before zero. A single measuring gives both circumference and diameter by reading both sides of the tape.



Front



Back

1P

Cat. No.	Line Desc.	Std. Pk.
1P	¼" x 6'	1

Lufkin® Long Steel Tapes

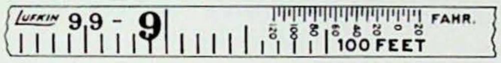
Steel Tape Line Accuracy

Lufkin steel tapes are made to government standards. Our bench standards for the United States are certified accurate by the United States Department of Commerce, National Bureau of Standards, Washington, D. C. Tapes for Canada we make to Canadian government standard.

Temperature standard for steel tapes is 68°F., which equals 20°C.

Coefficient of expansion of steel tapes is 0.00000645 per degree F.; 0.0000116 per degree C. This amounts to 0.000645 foot or 0.00774 inch per degree F. on a 100-foot tape, and one-half as much on a 50-foot tape.

As a figure that is reasonably close to actual, and also easy to handle, it is customary on very long runs of pipe to allow 1/10 inch per 100 feet for each 10° change in temperature.



Above illustration shows, for a 100-foot tape, the actual length variations of temperature within the range of 20° below to 120° above zero F. The terminal graduation on lower edge is at 68°, this being standard temperature. Furnished only when specified and at additional cost.

Standard tension for steel tapes 25 to 100 feet long (10 to 30 meters), supported entire length on horizontal, flat surface, is 10 pounds (4.5 kilograms), for all tapes over 100 feet, 20 pounds. For steel tapes suspended horizontally and supported only at ends, there can be no set or standard tension for accuracy because of weight and other variations.

The following listings are averages of many tests made by the Bureau of Standards of Lufkin steel tapes supported throughout, and supported ends only. These averages are taken from experience of tests and should be used as a working basis only, and not to replace the test of any individual tape.

		Tension of Accuracy Supported	
Width Tape Inches	Kind of Tape	thru-out, in lbs.	ends only in lbs.
¼	Chain Tapes	10	24
¼	Engineers (.012-Inch) Tapes	10	18
¼	Engineers Extra Heavy Tapes	10	24
⅜ & ½	Standard Weight Tapes	10	18

All tape lengths are 100 feet.

NOTE:
Temperature and tension need to be taken into account only on very precise work. We recommend government test of tapes to be used for such work or for use as master standards. The U. S. Bureau of Standards makes a moderate charge for this test.

LW23 Loggers Tape Rule

Automatic rewind loggers tape, ⅜" wide, 50' long, designed for rugged use in mills and logging areas. Reel has long, very durable spring that rewinds tape automatically and completely when spring hook is released. Sharp spike penetrates tree bark easily. Jet-black markings on white background are most legible and easy to read. Flowed-on epoxy coating protects graduations; will not chip, peel or discolor. Line easily cleaned while rewinding. Working parts of reel are partitioned to prevent dirt, sawdust, etc., from clogging reel. Line graduated feet, inches and 8ths; instantaneous reading, with foot markings and 16-inch centers designated. Spike only is available; order LH44.

Cat. No.	Line Desc.	Wt. Lb.	Std. Pk.	Repl. Spike	Repl. Line No.
LW23	⅜" x 50'	1	1	LH44	OLW23

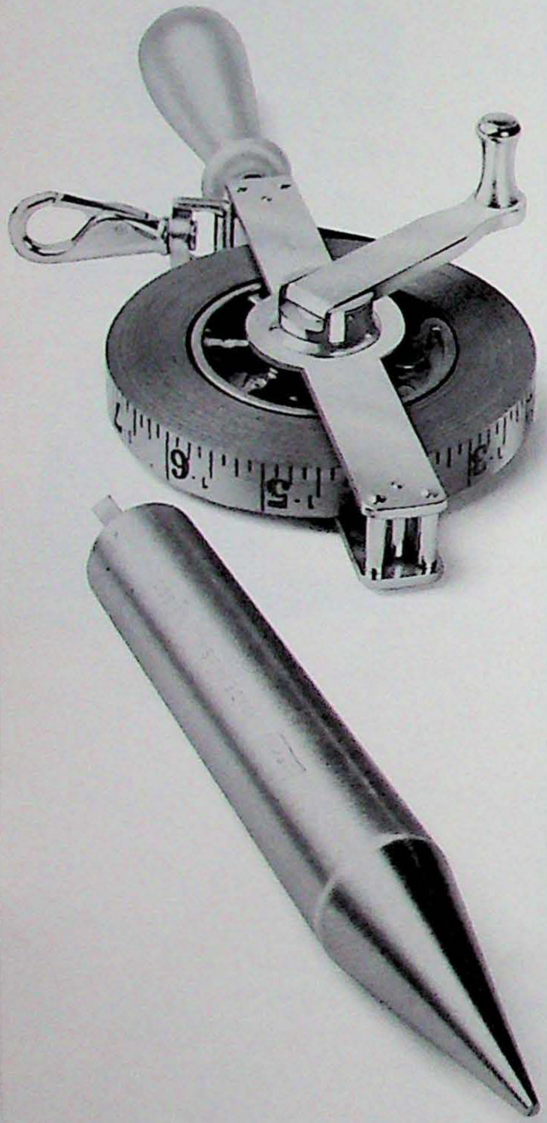
Measuring Wheel

To measure big jobs quickly and accurately, extend the folding handle, set to zero position on starting point, and start walking. Wheel counts as it measures, totals as it counts. Used by paving contractors, traffic engineers, police officials, landscapers, athletic departments. Used for measuring parking lots, laying out traffic lanes, sizing athletic fields, obtaining automobile accident details involving distances, etc. Indoor applications include measuring for floor covering, room sizes, etc. Has these helpful features:

1. Total distance shown in feet and inches.
2. Knob in center of wheel can be used to set to zero or to preset for desired distances.
3. Handle extends and locks at convenient, 34" height; folds easily, compactly.
4. Clearly audible click every two feet permits running count by operator.
5. Loud bell sounds every 100 feet.
6. Traction is provided by two Neoprene tires, precisely-ground to correct circumference. Wear-resistant to maintain accuracy during long life.
7. Fine quality leather case is included for storing wheel. With handle folded, wheel requires only 9" x 8" x 2" of space.

Cat. No.	Wt. Lb.	Std. Pk.
202	3¾	1

Lufkin® Oil Gaging Long Tapes



Oil Gaging Long Tapes

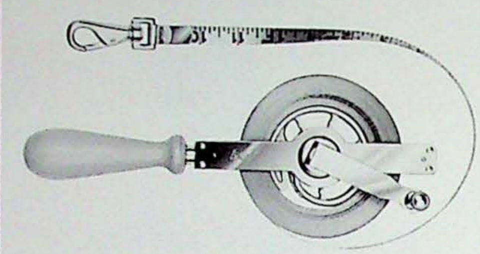
Special Notes

Chrome-plated, 2-arm reel is furnished with all 18, 25, 33, 50, 66 and 75 foot lengths, and with all 10, 15 and 20 meter lengths.

Chrome-plated, 4-arm reel is used exclusively on 100 foot and 30 meter lengths.

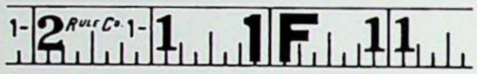
Notice where the line leaves the coil in the illustrations of these two reels. This is important to remember when attaching a line to the reel.

All oil gaging tapes are supplied less plumb bob. When ordering, it is necessary to specify the bob required. For example: one (1) C1293S f/590 50′ oil gaging tape, one (1) 590 plumb bob.



Atlas Chrome Clad®

Atlas® Chrome Clad® tapes are the choice for measuring dark oils. Bold black markings are bonded to steel and recessed below a chrome surface which resists wear and corrosion.



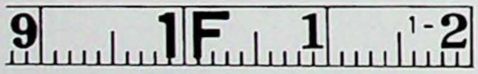
Reads right to left.

Cat. No.	Line Desc.	Wt. Lbs.
C1290½S F/590	½″ x 18′ R to L	1½
C1290S F/590	½″ x 25′ R to L	1¾
C1291S F/590	½″ x 33′ R to L	2
C1293S F/590	½″ x 50′ R to L	2½
C1294S F/590	½″ x 66′ R to L	2½
C1295S F/590	½″ x 75′ R to L	2¾
C1296S F/590	½″ x 100′ R to L	3¾
C1293S F/587	½″ x 50′ R to L	2½
C1294S F/587	½″ x 66′ R to L	2½

Replacement Line:

OC1290½S F/590
OC1291S F/590
OC1294S F/590
OC1295S F/590
OC1296S F/590
OC1293S F/587
OC1294S F/587

All of the above are graduated feet, inches, and 8ths, instantaneous reading; one side only is graduated.



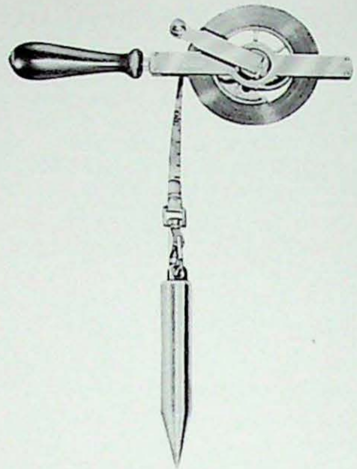
C1293SD F/590; reads left to right.

Cat. No.	Line Desc.	Wt. Lbs.
C1293SD F/590	½″ x 50′ L to R	2½

Replacement Line:

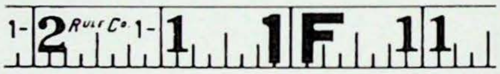
OC1293SD F/590

Above tape line is graduated feet, 10ths and 100ths, instantaneous reading one side only.

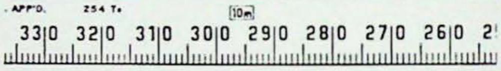


Metric-English Atlas® Oil Gaging Chrome Clad®

Chrome Clad® tapes are the choice for tank gaging dark oils. One side of ½″ line is graduated in millimeters; the other side is marked instantaneous feet and inches to 8ths. Available in 15, 20 and 30 meter; plumb bob is not supplied; please specify if bob is required.



Front



Back

C1293SME F/590, C1294SME F/590, C1296SME F/590; reads right to left.

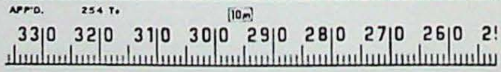
Cat. No.	Line Desc.	Lb. Wt. Each
C1293SME F/590	½″ x 15m (50′)	2½
C1294SME F/590	½″ x 20m (66′)	2¾
C1296SME F/590	½″ x 30m (100′)	3¾

Replacement Line:

OC1293SME F/590
OC1294SME F/590
OC1296SME F/590

Metric Atlas® Oil Gaging Chrome Clad®

Same as other Atlas® gaging tapes except all markings are in metrics. Graduated in millimeters.



C1291SM F/590, C1293SM F/590, C1294SM F/590, C1296SM F/590; reads right to left.

Cat. No.	Line Desc.	Lb. Wt. Each
C1291SM F/590	½″ x 10m (33′)	2
C1293SM F/590	½″ x 15m (50′)	2½
C1294SM F/590	½″ x 20m (66′)	2¾
C1296SM F/590	½″ x 30m (100′)	3¾

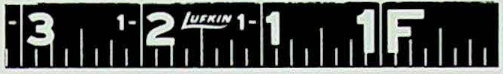
Replacement Line:

OC1291SM F/590
OC1293SM F/590
OC1294SM F/590
OC1296SM F/590

Lufkin® Oil Gaging Long Tapes

Atlas® Nubian®

The etched background of the Atlas® Nubian® tape lines makes this series the choice for gaging clear oils. The heavy duty line is multiple plated for longer wear. The raised bright steel markings are clearly legible and are protected by a flowed-on epoxy coating.



Reads right to left.

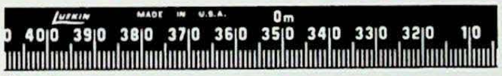
Cat. No.	Line Desc.	Wt. Lbs.
1290S F/590	½" x 25' R to L	1¾
1291S F/590	½" x 33' R to L	2
1293S F/590	½" x 50' R to L	2½
1294S F/590	½" x 66' R to L	2½
1295S F/590	½" x 75' R to L	2¾
1281 F/588	⅜" x 33' R to L	1½
1283 F/588	⅜" x 50' R to L	1½

Replacement Line:

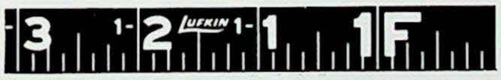
O1290S F/590
O1291S F/590
O1293S F/590
O1294S F/590
O1295S F/590
O1281 F/588
O1283 F/588

Metric-English Oil Gaging Nubian®

The etched Nubian® (black) background makes this the choice for gaging clear oils. The ½" wide line is graduated on one side in millimeters; other side is marked in feet and inches to 16ths.



Front



Back

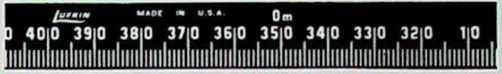
Cat. No.	Line Desc.	Lb. Wt. Each
1293SME MEX F/590	½" x 15m (50')	2½
1294SME MEX F/590	½" x 20m (66')	2¾
1296SME MEX F/590	½" x 30m (100')	3¾

Replacement Line:

O1293SME MEX F/590
O1294SME MEX F/590
O1296SME MEX F/590

Metric Oil Gaging Nubian®

Same as other Nubian® gaging tapes except all markings are in metrics, graduated in millimeters.



1291SMF/590, 1293SMF/590, 1294SMF/590, 1296SMF/590.

Cat. No.	Line Desc.	Lb. Wt. Each
1291SM F/590	½" x 10m (33')	2
1293SM F/590	½" x 15m (50')	2½
1294SM F/590	½" x 20m (66')	2¾
1296SM F/590	½" x 30m (100')	3¾

Replacement Line:

O1291SM F/590
O1293SM F/590
O1294SM F/590
O1296SM F/590

Chrome Gaging Tape

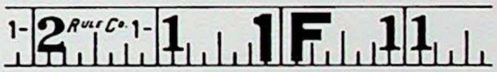
Above tape is graduated feet, inches and 8th, instantaneous reading; one side only is graduated.

Cat. No.	Line Desc.	Wt. Lbs.
C1283 F/588	⅜" x 50' R to L	1½

Replacement Line:

OC1283 F/588

Stainless Steel



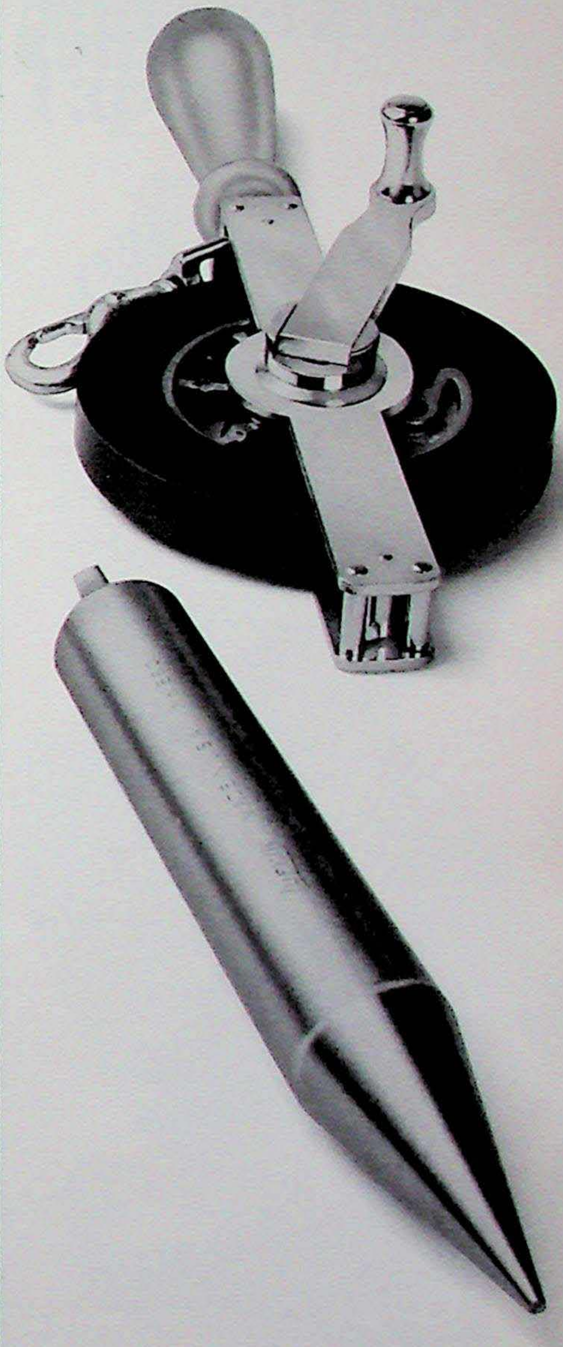
S1293 F/590

Graduated feet, inches and 8ths instantaneous reading — graduated one side only. Type 316 stainless steel.

Cat. No.	Line Desc.	Wt. Lbs.
S1293 F/590	½" x 50'	2½

Replacement Line:

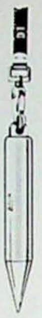
OS1293 F/590



Lufkin® Plumb Bobs and Tape Wipers For Oil Gaging Tapes

Plumb Bobs For Oil Gaging Tapes

Inage Bobs

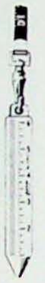


590 Plumb Bob

20-ounce cylindrical shape solid brass bob with tapered point is 1" in diameter and 6¾" long overall. Bob face serrated for chalking. For use in heavy oils.

590A Plumb Bob

Same as 590 bob, except for removable screw tip point of Ampco metal, which is similar to brass but harder. (Extra tips available — specify TIP.f/590A.)

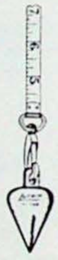


590G Plumb Bob

Same as 590 bob, except it is graduated in inches to 8ths, reading upward (zero at lower end of point). Point is blunt.

590GM Plumb Bob

Same as 590G bob, except graduated millimeters with centimeters numbered.

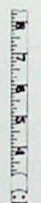


588 Plumb Bob

6-ounce cone-shaped solid brass bob is 1¼" in diameter and 2⅜" long overall. Suitable for lighter oils, gasoline, etc.

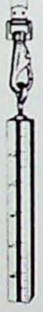
NOTE: Oil gaging tape lines used with above plumb bobs are cut and hooked to include bob in overall measurement. Zero falls at tip of bob.

Outage Bobs



587 Plumb Bob

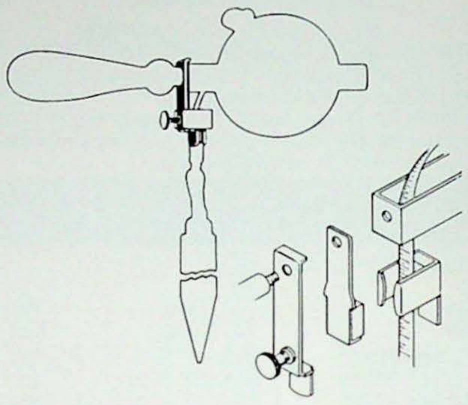
¾" square, 16-ounce soild brass bob 7" long overall. Graduated inches to 16ths top to bottom. Zero falls inside the top of the hook eye. Adding oil line reading on bob to tape reading gives total outage.



587-½ Plumb Bob

¾" square, 15-ounce solid brass bob, 6" long overall. Graduated in inches to 16ths top to bottom. Zero falls inside the top of the hook eye. Eye milled from solid brass block (not removable). Reading taken same as on 587.

NOTE: Oil gaging tape lines used with above plumb bobs are cut and hooked so that zero falls inside the top of tape line hook or snap eye.



Tape Wipers

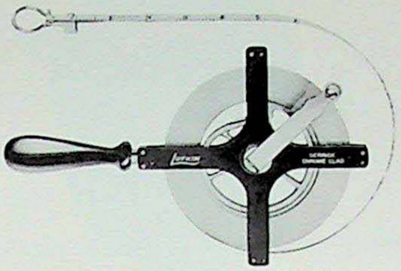
599 Wipers — 599 Pads

The 599 tape wiper is designed primarily to remove oil from gaging tapes as they are reeled in. This helps keep the line in top condition. Tension on the wiping pads is regulated by a thumb screw. Increasing the tension holds the line at any desired point. Pads are replaceable and each unit is furnished with 6 extra pads.

The exploded view above shows the three parts of the wiper. From left to right: tape wiper bracket and spring plate, both on the handle side of the tape; tape wiper clip on the winding drum side of the tape.

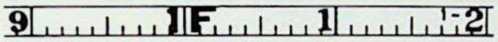
1. Place clip over line, with lip extending downward.
2. Pass wiper bracket up through the clip, with thumb screw at the bottom.
3. Insert spring plate downward between bracket and tape line, with pad facing line. Attach wiper to reel by screwing wood handle through wiper into reel.

Lufkin® Derrick



Derrick

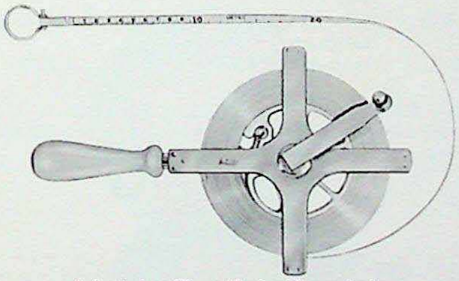
This rugged chrome tape line is designed for measurement of casings or pipe standing in a derrick. Lufkin Derrick Tapes are equipped with a sturdy hook block at zero point of line. Accurate measurement is quickly obtained without sighting for zero. Bold black graduations are protected by a hard chrome finish. Instantaneous reading. The line is graduated in feet, 10ths and 100ths with a blank space at each end. The 4-arm chrome reel has roller in each arm to minimize friction. (Reel No. 12-150). Leather throng is also included.



C2276D; reads left to right

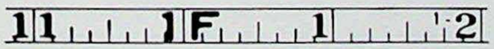
Cat. No.	Line Desc.	Lb. Wt. Each
C2276D	¼″ x 100′	3¼

Replacement Line:
OC2276D

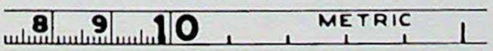


Metric-English Derrick

This rugged chrome clad 30 meter ¼″ wide line is popular for accurate measurement of casing or pipe standing in a derrick and other heavy field work. One side is graduated in millimeters. The other side is graduated feet, inches and 8ths.



Front



Back

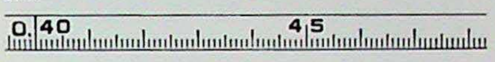
C2276ME; reads from left to right

Cat. No.	Line Desc.	Lb. Wt. Ea.
C2276ME	¼″ x 30m (100′)	3¼

Replacement Line:
OC2276ME

Metric Derrick

Same as Metric-English Derrick except markings are only in metrics. Graduated in millimeters.



Cat. No.	Line Desc.	Lb. Wt. Each
C2276M	¼″ x 30m	3¼

Replacement Line:
OC2276M

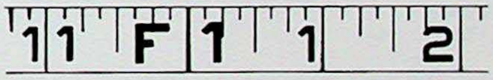
Lufkin® Woven Non-Metallic Tapes

Woven Fiber Glass

This tape line is made by weaving fiberglass. Durability is insured by a polyvinylchloride protective coating; this moisture proof coating adds to the dielectric strength, and protects against oil or chemicals.

The high impact styrene case is lightweight and comfortable to handle. Case protects line completely and tape ring tucks into mouth of case for storage. Rust is no problem, all metal parts used in the tape are nickel plated.

This tape line is graduated feet, inches to 8ths. Graduations and inch numbers are black. Foot markings are red. Line reads instantaneous feet and inches. Available with hook ring.

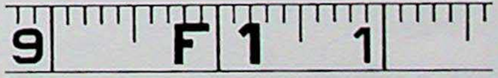


703, 706

Cat. No.	Line Desc.	Std. Pk.	Lb. Wt. Each	Repl. Line No.
703	½″ x 50′	2	1	O703
706	½″ x 100′	2	1½	O706

Woven Fiber Glass Decimal

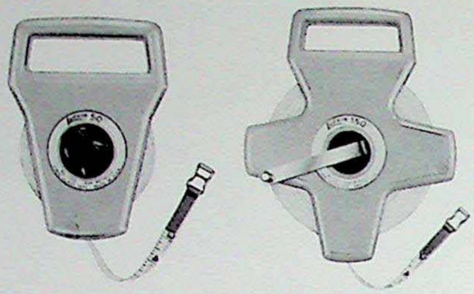
This engineers line, graduated feet, 10th and 100th of feet. Graduations and 10th of feet numbers are black. Foot markings are red.



703D, 706D

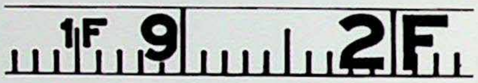
Cat. No.	Line Desc.	Std. Pk.	Lb. Wt. Each	Repl. Line No.
703D	½″ x 50′	2	1	O703D
706D	½″ x 100′	2	1½	O706D

Lufkin® Woven Non-Metallic Tapes



Fiber Glass Reel Type

This woven fiber glass tapeline and lightweight open reel is easy to handle, rewind, and line does not collect dirt or trash in a case. Tapeline is graduated feet, inches to 8ths. Instantaneous feet and inch reading with foot markings in red. End hook is permanently attached to reinforced strip. 150 foot reel features 4½" winding drum arm for faster rewinding. 50' and 100' have 2 arm reel, 150' has 4 arm reel.

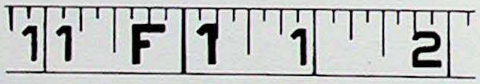


1703, 1706, 1707

Cat. No.	Line Desc.	Std. Pk.	Lb. Wt. Each	Repl. Line No.
1703	½" x 50'	1	¾	O703
1706	½" x 100'	1	1¼	O706
1707	½" x 150'	1	2¼	O1707

Fiber Glass Reel Type Decimal

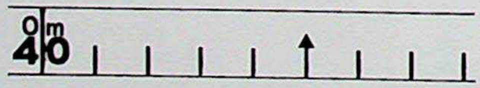
Graduated 10ths and 100ths of feet.



Cat. No.	Line Desc.	Std. Pk.	Lb. Wt. Each	Repl. Line No.
1703D	½" x 50'	2	2	O703D
1706D	½" x 100'	2	2¼	O706D
1707D	½" x 150'	1	2¾	O1707D

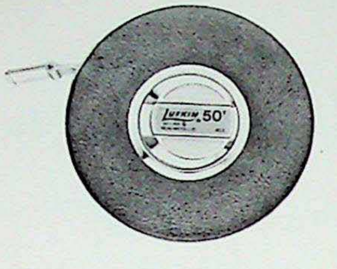
Fiber Glass Reel Type Metric

Graduated meters to centimeters.



1715M, 1730M, 1750M

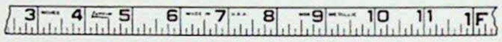
Cat. No.	Line Desc.	Std. Pk.	Lb. Wt. Each	Repl. Line No.
1715M	½" x 15m	2	2	O1715M
1730M	½" x 30m	2	2¼	O1730M
1750M	½" x 50m	1	2¾	O1750M



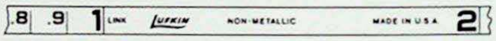
Hi Line® ⅝"

This non-metallic (woven) tape line is made of dacron fibers. Graduations penetrate the tough fibers for permanent easy to read markings. The first 9 inches of line are reinforced by a green plastic (green indicates non-conductivity). This tape is designed for rugged use where steel line accuracy is not required.

The heavy duty drum assembly makes retrieving line easy. The line has red foot marking and instantaneous reading.



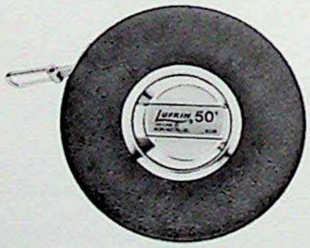
403, 406, H403, H406



404L

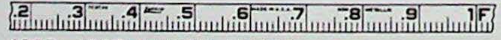
Cat. No.	Line Desc.	Std. Pk.	Lb. Wt. Each	Repl. Line No.
403	⅝" x 50'	1	1	O403
406	⅝" x 100'	1	1½	O406
H403	⅝" x 50' w/hook	1	1	OH403
H406	⅝" x 100' w/hook	1	1½	OH406
404L	⅝" x 100 L	1	1	O404L

403, 406, H403 & H406 are graduated in feet, inches and ¼ inches. The 404L is graduated in links.



Woven Hi Line® Decimal ⅝" Wide

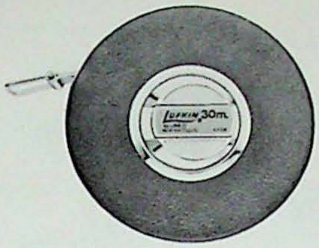
This woven dacron long tape is designed for rugged use where steel line accuracy is not required. The line has red foot markings and is graduated in feet, 10ths and half 10ths.



403D, 406D, H403D, H406D

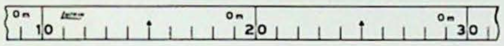
Cat. No.	Line Desc.	Std. Pk.	Lb. Wt. Each	Repl. Line No.
403D	⅝" x 50'	1	1	O403D
406D	⅝" x 100'	1	1½	O406D
H403D	⅝" x 50' w/hook	1	1	OH403D
H406D	⅝" x 100' w/hook	1	1½	OH406D

Lufkin® Woven Non-Metallic Tapes



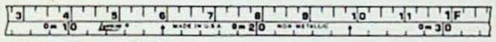
Woven Metric & Metric-English Hi Line®

This ⅝" wide non-metallic (woven) tape is designed for highway, utility company and construction work where a high degree of accuracy is not required. 403M and 406M graduated in meter to centimeters. 406ME and 403ME, one side graduated in meters to centimeters throughout, other side reads instantaneous feet and inches to ¼". Available in 15 and 30 meters.



403M, 406M

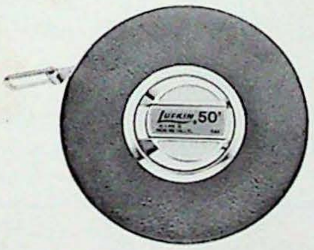
Cat. No.	Line Desc.	Lb. Wt. Each
403M	⅝" x 15m (50')	1
406M	⅝" x 30m (100')	1¾



403ME, 406ME

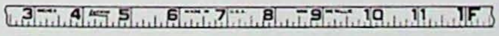
Cat. No.	Line Desc.	Lb. Wt. Each
403ME	⅝" x 15m (50')	1
406ME	⅝" x 30m (100')	1¾

Replacement Line:
O403M O406M O403ME O406ME



Woven Hi Line® 7/16" Wide

This non-metallic tape features a compact case. It is popular in industrial, highway, and railroad use, where steel tape accuracy is not required. The first 9" are reinforced by a plastic strip (green to indicate non-conductivity). Graduations are long-lasting bold print which penetrates fibers. Foot markings and instantaneous foot markings are red. Line is graduated in feet, inches and 8ths.

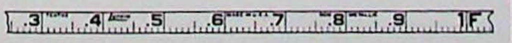


663

Cat. No.	Line Desc.	Std. Pk.	Wt. Lbs.	Repl. Line No.
663	7/16" x 50'	1	¾	O663

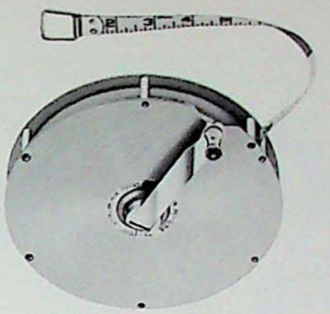
Woven Hi Line® Decimal 7/16" Wide

This line is graduated feet, 10ths and 100ths and has same features as standard 7/16" wide Hi-Line.



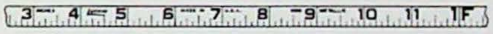
663D

Cat. No.	Line Desc.	Std. Pk.	Lb. Wt. Each	Repl. Line No.
663D	7/16" x 50'	1	¾	O663D



Woven Hi Line® ⅝" Wide

Our highest quality non-metallic (woven) tape. Designed especially for highway, utility company and construction work, where steel tape accuracy is not required. Line is made entirely of strong dacron fibers. Graduations penetrate the fibers and are protected by a clear, water and abrasion-resistant plastic coating. Bold red and black markings against a pure white background provide unexcelled readability. First 9" reinforced with long-wearing plastic (green to indicate non-conductivity). The disc reel is made of lightweight aluminum for easy handling. Easy-action winding handle and double throat rollers allow quick and easy return of line. Red foot figures and instantaneous reading.

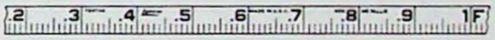


1407

Cat. No.	Line Desc.	Std. Pk.	Lb. Wt. Each	Repl. Line No.
1407	⅝" x 150'	1	3	O1407

Woven Hi Line® Decimal ⅝" Wide

The line is graduated feet, 10ths and half 10ths. Foot markings and instantaneous foot markings are red. This non-metallic (woven) tape is designed for highway, utility company, and construction work where steel tape accuracy is not required.

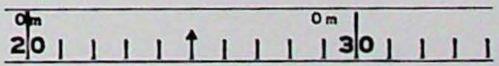


1407D

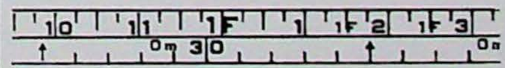
Cat. No.	Line Desc.	Std. Pk.	Wt. Lbs.	Repl. Line No.
1407D	⅝" x 150'	1	3	O1407D

Woven Hi Line® Metric & Metric-English ⅝" Wide

On 1407M, line is graduated in meter to centimeters. On 1407ME, line is graduated feet, 10ths and half tenths, with foot markings and instantaneous foot markings in red on one side, and graduated in meters to centimeters on other side. This non-metallix (woven) tape is designed for highway, utility company, and construction work where steel tape accuracy is not required.



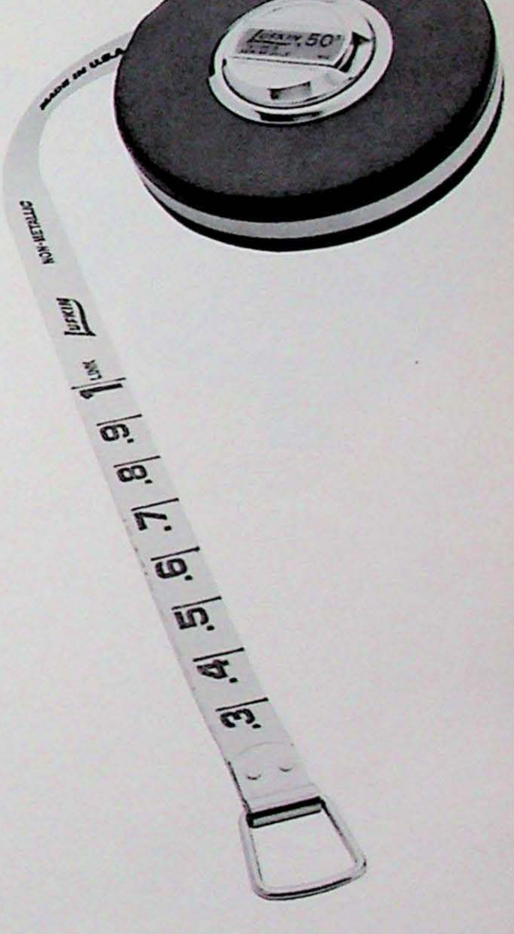
1407M



1407ME

Cat. No.	Line Desc.	Std. Pk.	Lb. Wt. Each	Repl. Line No.
1407M	⅝" x 150'	(50m)	1	3
1407ME	⅝" x 150'	(50m)	1	3

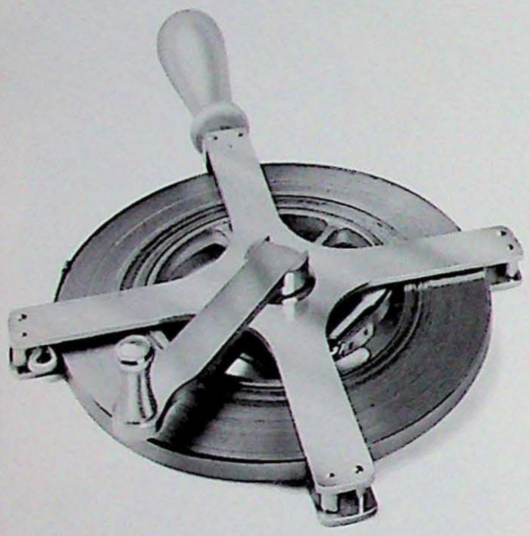
Replacement Line:
O1407M, O1407ME

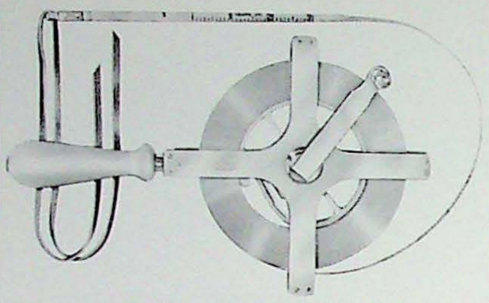


Woven Tape Accuracy

No fabric or woven tape can be guaranteed for accuracy. They are affected by temperature, moisture, stretch and drying. A woven tape should be compared with a steel tape occasionally to determine its accuracy and actual measuring length. For precise measuring, a steel tape is recommended.

Lufkin® Engineering & Surveying Tapes

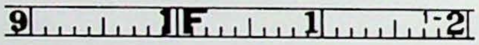




Western® Chrome Clad® - ¼" Wide

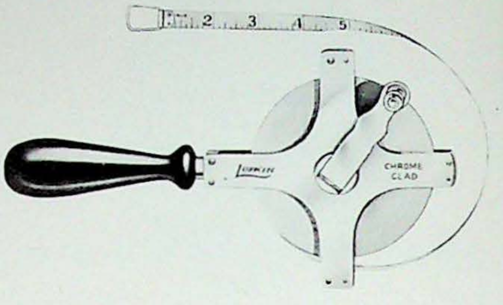
Finest engineers Chrome Clad® tape available. The line (¼" wide and .015" thick) has the strength and durability of a chain tape but is graduated in feet, 10ths and 100ths feet throughout. Instantaneous reading. Blank space at each end. Riveted, heavy plated brass end clips for holding thongs. Black markings are bonded to the steel and recessed below the hard chrome surface, giving the best finish to resist wear, rust and heat. Final added protection against wear and abrasion is provided by a flowed-on transparent epoxy coating. There are no seams or weak spots to allow chipping, peeling or discoloration. A pair of 580T thongs and a 579 engineers conversion rule are furnished with each tape complete or replacement line.

Reel is nickel-plated, 4-arm, with rollers in each arm for smooth winding. Oversize drum with long, one-piece winding handle for quick return of line. Turning handle over locks line at any desired position. Tapes are easily attached to reel. Iridescent red hardwood handle. To order reel only specify Reel No. 12-150 for C1676D.



C1676D

Cat. No.	Line Desc.	Lb. Wt. Each	Repl. Line No.
C1676D	¼" x 100'	2¾	OC1676D

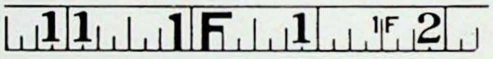


Chrome Clad® - ⅜" Wide

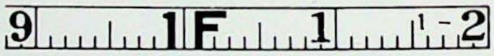
A high-quality, general-purpose Chrome Clad® tape. Popular for athletic, engineering, surveying and general construction work. This tape (⅜" wide and .008" thick) is graduated in two (2) styles: Feet, inches and 8ths; feet, 10ths and 100ths feet. Ideal for measuring requirements up to 200 feet.

Line is instantaneous reading. Zero falls at outer end of ring. Jet-black markings are bonded to the steel and recessed below the hard chrome surface, giving the best finish to resist wear, rust and heat. Final added protection against wear and abrasion is provided by a flowed-on, transparent epoxy coating. There are no seams or weak spots to allow chipping, peeling or discoloration. Detachable hook available (see Hook No. 552 on page 29). Replacement lines easily installed on 4-arm reel.

Reel: Nickel-plated, 4-arm, with rollers in each arm for smooth winding. Open design construction aids in drying line and clearing out dirt. Long, easy-action winding handle that locks line in any position. Iridescent red hardwood handle. To order reel only, specify Reel No. 81-100 for C1286, 81-200 for C1288.



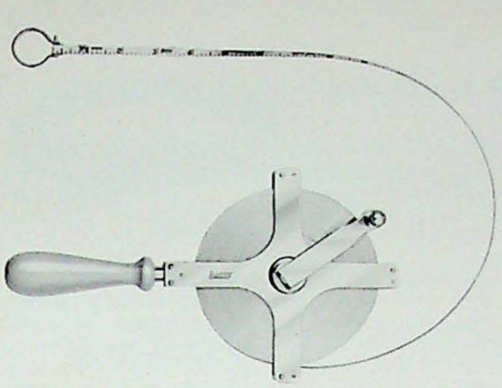
C1286, C1288



C1286D Graduated feet, 10ths, and 100ths feet

Cat. No.	Line Desc.	Lb. Wt. Each	Repl. Line No.
C1286	⅜" x 100'	2½	OC1286
C1288	⅜" x 200'	4	OC1288
C1286D	⅜" x 100'	2½	OC1286D

Lufkin® Engineering & Surveying Tapes

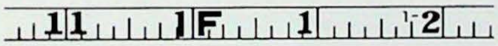


Peerless Chrome Clad® – ¼″ Wide

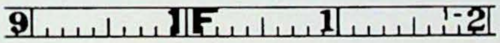
The Peerless tape (¼″ wide and .012″ thick) is designed for engineers and surveyors who prefer a 4-arm reel. Line is subdivided throughout and is easily removed from the reel.

Instantaneous reading. Line is graduated in two (2) styles: Feet, inches and 8ths; feet, 10ths and 100ths feet. C1276D, C1278D. Graduated feet, 10ths and 100ths feet. Zero falls at end of line. Jet-black markings are bonded to the steel and recessed below the hard chrome surface, giving the best finish to resist wear, rust, and heat. Final added protection against wear and abrasion is provided by a flowed-on, transparent epoxy coating. There are no seams or weak spots to allow chipping, peeling or discoloration. A pair of 580 finger rings and a 579 engineers conversion rule are furnished with each tape complete or replacement line. The rings have a 3½-inch tape support to help prevent end breakage and are easily attached to both ends when line is used without reel.

Reel is nickel-plated, 4-arm, with rollers in each arm for smooth winding. Open design construction aids in drying line and clearing out dirt. Long, easy-action winding handle locks line in any position. Iridescent red hardwood handle. To order reel only, specify Reel No. 11-100 for C1276, 11-200 for C1278 and No. 11-300 for C1279.



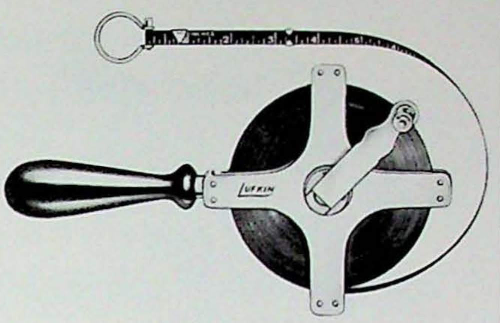
C1276, C1278, C1279



C1276D, C1278D, C1279D

Cat. No.	Line Desc.	Lb. Wt. Each	Repl. Line No.
C1276	¼″ x 100′	2¾	OC1276
C1278	¼″ x 200′	4¼	OC1278
C1279	¼″ x 300′	6	OC1279

Cat. No.	Line Desc.	Lb. Wt. Each	Repl. Line No.
C1276D	¼″ x 100′	2¾	OC1276D
C1278D	¼″ x 200′	4¼	OC1278D
C1279D	¼″ x 300′	6	OC1279D

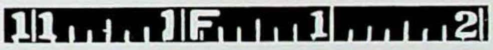


Peerless Nubian® – ¼″ Wide

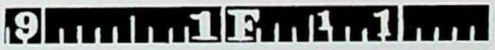
This extra heavy nubian (black) line (¼″ wide and .015″ thick) is 300 feet long and subdivided throughout. Designed especially for engineering, surveying and other precise measuring. Replacement line is easily removed from reel.

Instantaneous reading. Graduated in two (2) styles: Feet, inches and 8ths; feet, 10ths and 100ths feet. 1279DX Graduated feet, 10ths and 100ths feet. Zero falls at end of line. Raised bright steel markings are clearly legible on the etched, black background. Protection against wear and abrasion is provided by a flowed-on, transparent epoxy coating. There are no seams or weak spots to allow chipping, peeling or discoloration. A pair of 580 finger rings and a 579 engineers conversion rule are furnished with each tape complete or replacement line. The rings have a 3½-inch tape support to help prevent end breakage and are easily attached to both ends when line is used without reel.

Reel is nickel-plated, 4-arm, with rollers in each arm for smooth winding. Open design construction aids in drying line and clearing out dirt. Long, easy-action winding handle locks line in any position. Iridescent red hardwood handle. To order reel only specify Reel No. 11-300 for 1279X.

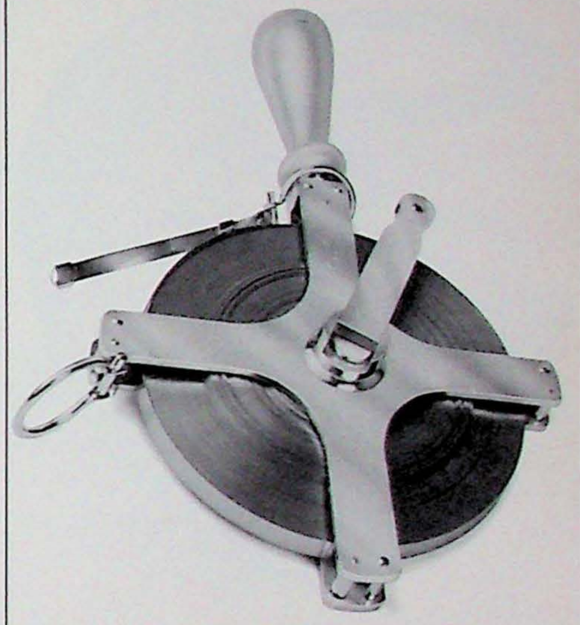


1279X



1279DX Graduated feet, 10ths and 100ths feet
For complete specifications, see page 40.

Cat. No.	Line Desc.	Lb. Wt. Each	Repl. Line No.
1279X	¼″ x 300′	6	O1279X
1279DX	¼″ x 300′	6	O1279DX



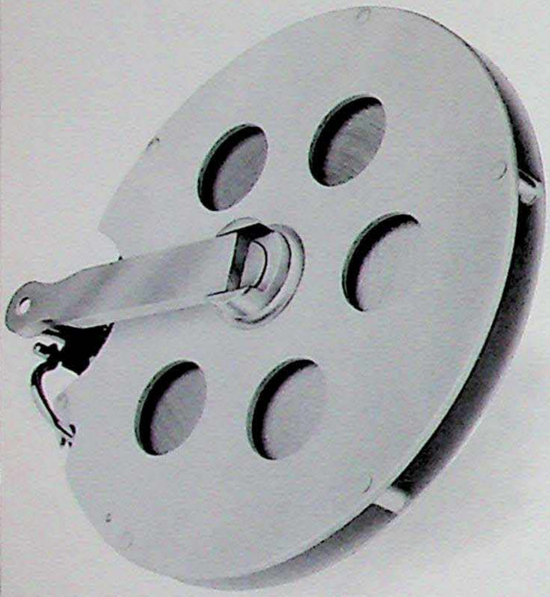
Tank Strapping Tapes

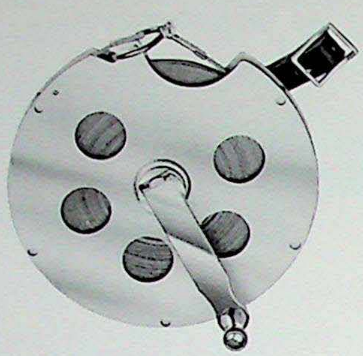
For determining the circumference of tanks, the American Petroleum Institute measuring code specifies a 100-foot steel tape, ¼″ wide, marked 10ths and 100ths feet.

Lufkin engineers tapes in "D" graduations, shown on pages 17 and 18, meet code specifications and have required durability.

A popular strapping tape is Peerless chrome clad Model C1276D.

Lufkin® Engineering & Surveying Tapes

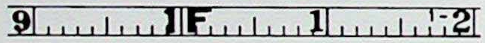




Wolverine® Chrome Clad® –¼″ Wide

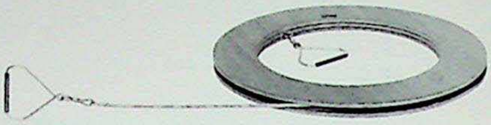
The Wolverine® Chrome Clad® tape (¼″ wide and .012″ thick) is made specifically for the engineer or surveyor who wants a tape subdivided throughout.

Line is instantaneous reading. Zero falls at end of line. Black markings are bonded to the steel and recessed below the hard chrome surface, giving the best finish to resist wear, rust and heat. Final added protection against wear and abrasion is provided by a flowed-on, transparent epoxy coating. There are no seams or weak spots to allow chipping, peeling or discoloration. A pair of 580 finger rings and a 579 engineers conversion rule are furnished with each tape and replacement line. The rings have a 3½-inch tape support to help prevent end breakage and are easily attached to both ends when line is used without reel. Reel is an aluminum disc type, with long, easy-action winding handle that locks the line at any position. Perforated sides aid in drying the line and clearing out dirt. Finger ring locks under spring, preventing first-end breakage. Adjustable leather strap handle allows firm grip when rewinding.



C1376D

Cat. No.	Line Desc.	Lb. Wt. Each	Repl. Line No.
C1376D	¼″ x 100′	2¼	OC1276D



Minvar ¼″ Wide

These fine tapes are used where precise measurements of extreme accuracy are required. They are used for setting fundamental base line locations and other critical reference points, such as space tracking location points, navigation reference points (OMNI stations) and modern rocket launching pads. Also used for establishing surveyors' checking monuments and bench marks.

Lufkin Minvar low-expansion base line tapes are made from a special alloy. They have an extremely low coefficient of expansion that is 1/30 that of the high-quality steel normally used in fine tapes.

This tape has extremely fine graduation lines (between .002″ and .004″ wide) to insure maximum accuracy in critical measurements. Graduations start approximately 12″ from the beginning of the line, which has strong eyelets at its terminal points to permit the use of tensioning devices.

Standard procedure for comparing or establishing accurate measurements requires a temperature of 20°C (68°F) with 9 kg (20 lbs.) when supported on a horizontal flat surface. When supported at multiple points, refer to the following table:

Certificate of accuracy furnished with tape.

Cat. No.	Line Desc.	Lb. Wt. Each
8100	¼″ x 100′	7¼
8150	¼″ x 150′	8

All measurements at 20°C (68°F).

Fine graduation line marks Minvar tapes.

Cat. No.	Length	Graduations and Support Points	Tension
8100	100′	0-50-100′	15 kg
8150	150′	0-50-100-150′	15 kg

Metric Minvar

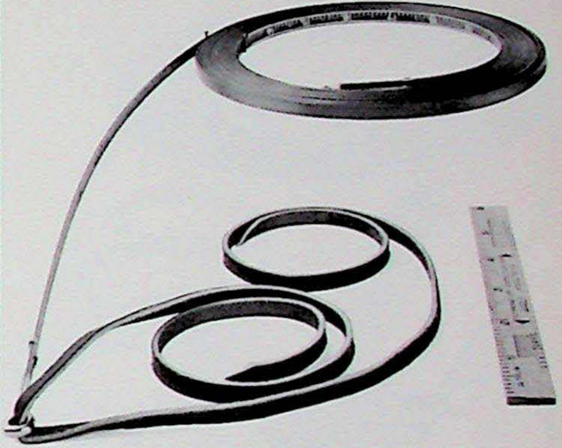
These tape lines are used where extreme accuracy is required. The 30 meter ¼″ wide line is marked at 0, 15 and 30 meter. The 50 meter ¼″ wide line is marked at 0, 25 and 50 meter. The fine graduation lines are between .002″ and .004″ to insure maximum accuracy when critical measurements are required. 2 D-handles with swivel snaps and mahogany reel are included.

Cat. No.	Line Desc.	Lb. Wt. Each
8100M	¼″ x 30m	7¼
8164M	¼″ x 50m	8¼

Cat. No.	Length	Graduations and Support Points	Tension
8100M	30m	0-15-30m	15 kg
8164M	50m	0-25-50m	15 kg

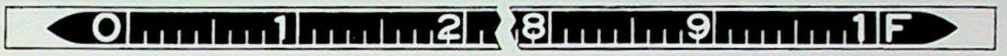
All measurements at 20°C (68°F).
Certificate of accuracy furnished with tape.

Lufkin® Engineering & Surveying Tapes

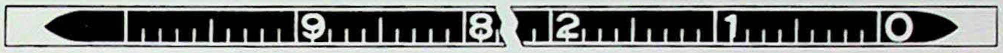


Chain Tapes Super Hi-Way® Chrome Clad®

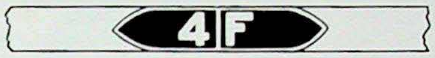
This chrome .025 thick line is the finest quality chain tape made. Markings are protected by a raised steel border. Easy-to-read graduations are satin chrome against a black background. Railroad half-gage mark 2′, 4¼″ from zero. Pair of 580T thongs and a 579 engineers conversion rule is included. The OC9100 line has a blank space at each end. The first and last foot of each 100′ length graduated to 10ths and 100ths of feet, the balance is graduated every foot. OC9100B, OC9200B, and OC9300B have a blank space at each end and an extra foot before zero graduated to 10ths and 100ths of feet; balance of the line is marked every foot except last foot of each 100′ length is in 100ths of feet.



OC9100



OC9100B, OC9200B, OC9300B



Markings are of raised bright steel protected by raised steel borders.

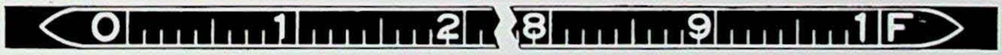
Cat. No.	Required Reel	Line Desc.	Line Weight
OC9100B	31-100	5/16″ x 100′	2¼
OC9200B	61-200 or 31-200	5/16″ x 200′	4
OC9300B	61-300 or 31-300	5/16″ x 300′	6
OC9100	31-100	5/16″ x 100′	2¼

Hi-Way® Nubian® (Black)

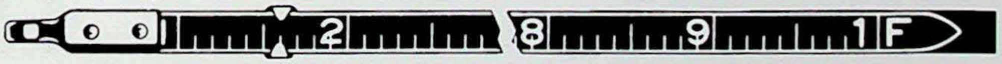
This high quality line is accurate and rugged. A special analysis steel .025 thick is used to make this line, not only accurate, but rugged enough for highway, railroad and construction use. Etched markings are of raised bright steel. Bright bold graduations on the etched black background are easy-to-read. Railroad half-gage mark is 2′, 4¼″ from zero end. A pair of 580T thongs and a 579 engineers conversion rule are included. The O9100 line has a blank space at each end. The first and last foot of each 100′ length are graduated to 10ths and 100ths of feet, the balance is graduated every foot. The O9300-30G has the first 30 feet in feet 10ths and 100ths of feet; instantaneous reading with a blank space at each end. O9100A begins and ends measurement at extreme outer ends of clips; first and last foot of each 100′ length is graduated to 10ths and 100ths of feet; balance is marked every foot.

O9066A is graduated in links and rods with end links in 10ths of link.

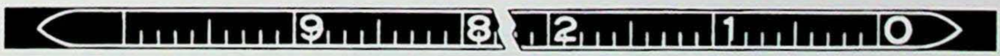
O9100B, O9200B, and O9300B have a blank space at each end. Extra foot before zero is graduated right to left 10ths and 100ths; balance is marked every foot except last foot of each 100′ length is in 100ths of feet.



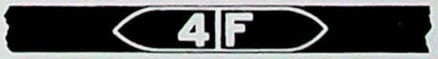
O9100



O9100A



O9100B, O9200B, O9300B

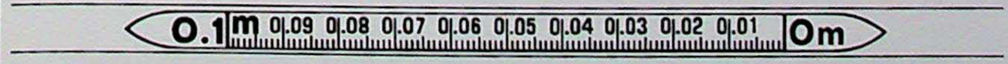


Markings are of raised steel protected by raised steel borders.

Cat. No.	Required Reel	Line Desc.	Line Weight
O9100	31-100	5/16″ x 100′	2¼
O9100A	31-100	5/16″ x 100′	2¼
O9100B	31-100	5/16″ x 100′	2¼
O9200B	31-200, 61-200	5/16″ x 200′	4
O9300B	31-300, 61-300	5/16″ x 300′	6

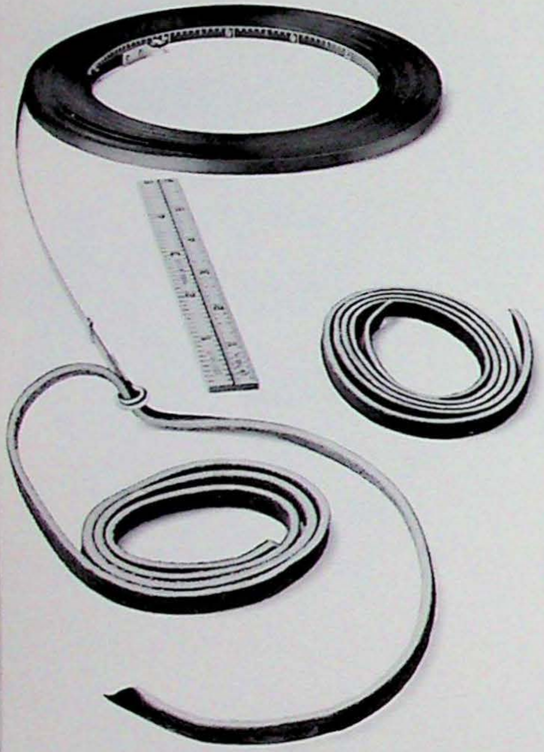
Metric Hi-Way® Chrome Clad

High quality Metric line is accurate and rugged. Special analysis steel .025 thick is used to make this line accurate and rugged enough for highway, railroad and construction use. Has a blank space at each end of line. Is 5/16″ wide and marked at 0, 15 and 30 meters.



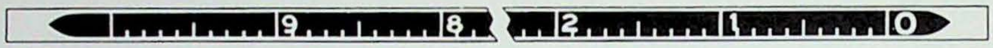
Cat. No.	Required Reel	Line Desc.	Line Weight
OC9100M	31-100	5/16″ x 30m	2¼
OC9164M	31-200	5/16″ x 50m	3¾
OC9328M	31-300	5/16″ x 100m	6¼

Lufkin® Engineering & Surveying Tapes

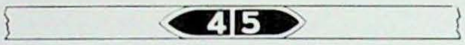


Pioneer® Chrome Clad®

No other chain tape combines the features offered in this line. Lightweight and easy to handle, this Chrome Clad® line, ¼" wide and .020" thick, combines strength and accuracy. Line attaches easily to reel. Easy to pull because of weight and line width. Catenary problems (sag due to unsupported weight of tape line) are minimized. Permanent markings are raised steel, protected by a raised steel border. This line has blank space at each end and an extra foot before zero graduated right to left to 10ths and 100ths of feet balance graduated every foot except last foot of each 100' length is in 100ths. Railroad half-gauge mark 2', 4½" from zero end. Pair of 580T thongs and a 579 engineers conversion rule are included.



OC5100B, OC5200B, OC5300B, OC5500B



Markings are of raised steel protected by raised steel borders.

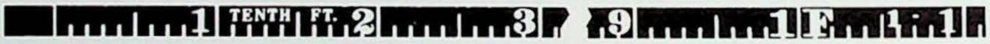
Cat. No.	Required Reel	Line Desc.	Line Weight
OC5100B	31-100	¼" x 100'	1½
OC5200B	31-150, 61-200	¼" x 200'	3
OC5300B	51-300, 61-300	¼" x 300'	4½
OC5500B	61-500	¼" x 500'	7

Pioneer® Nubian® (Black)

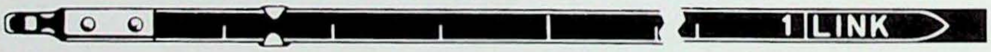
This nubian (black) chain tape is lightweight. The line, ¼" wide and .020" thick, has strength and accuracy. Line easily attached to reel. Easy to pull because of weight and line width. Catenary problems (sag due to unsupported weight of tape line) are minimized. Permanent, etched markings are of raised bright steel, protected by a raised steel border, as illustrated below. Bold, bright graduations are easy to read against black background. Railroad half-gauge mark 2 feet, 4¼ inches from zero end.

The first 30 feet of O5500-30G are graduated feet, 10ths, and 100ths of feet; instantaneous reading. O5066A is graduated in links and poles (rods) with end links in 10ths of link. O5100B, O5200B, O5300B, and O5500B have blank space at each end and extra foot before zero graduated right to left to 10ths and 100ths; balance graduated every foot except last foot of each 100' length is in 100ths of feet.

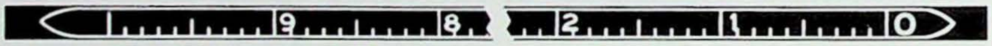
Pair of 580T thongs and a 579 engineers conversion rule are included.



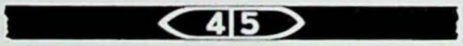
O5500-30G; first 30 feet graduated in feet, 10ths and 100ths of feet; instantaneous reading



O5066A



O5100B, O5200B, O5300B, O5500B

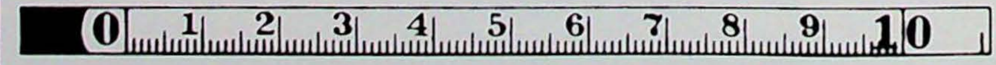


Markings are of raised bright steel protected by raised steel borders.

Cat. No.	Required Reel	Line Desc.	Line Weight
O5500-30G	61-500	¼" x 500'	7
O5066A	31-100	¼" x 100 links	1¼
O5100A	31-100	¼" x 100'	1½
O5100B	31-100	¼" x 100'	1½
O5200B	31-150 or 61-200	¼" x 200'	3
O5300B	51-300 or 61-300	¼" x 300'	4½
O5500B	61-500	¼" x 500'	7

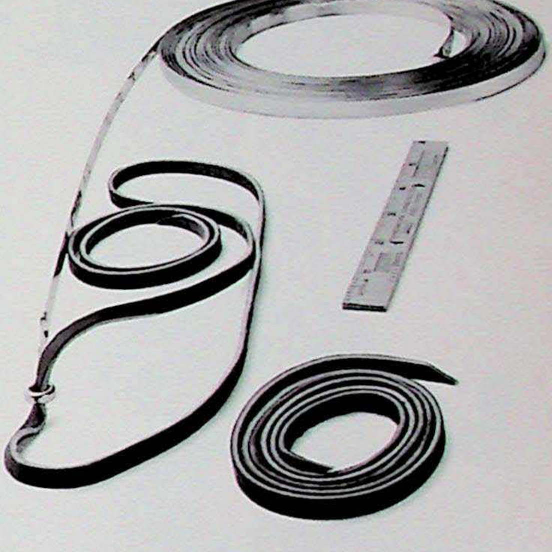
Metric Pioneer® Nubian® Engineers Chain Tape

O5100M, O5164M, and O5328M have metric graduations. The first and last decimeters are graduated in millimeters. The balance of the first and last meter is graduated in centimeters with the balance of the line graduated in decimeters. Available in 30, 50, and 100 meter lengths.



Cat. No.	Required Reel	Line Desc.	Line Weight
O5100M	31-100	¼" x 30m	1½
O5164M	31-150	¼" x 50m	1¾
O5328M	61-300	¼" x 100m	4½

Lufkin® Engineering & Surveying Tapes



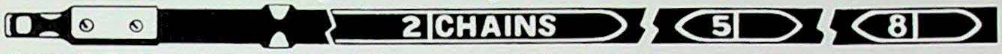
Topographic Trailer

Lightweight, strong and accurate — the perfect tape for engineers and mappers for slope correction work.

Use topographic level to determine slope. Measure two chains on the slope and as many graduations on the trailer as the arc reading shows. This distance on the slope represents two chains of horizontal distance. Use the back of the tape to determine one chain horizontal distance.

The line is ¼″ wide and .020″ thick. Permanent, black markings are etched into the raised bright steel portion of the line. Line is 2½ chains (2 chains plus trailer) or 165 feet long. It is easily attached to the reel.

Pair of 580T thongs and a 579 engineers conversion rule are included.



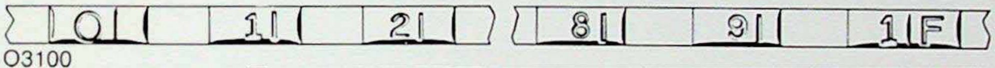
O5165T (Trailer readings at far right correspond to topographic arc readings).

Cat. No.	Required Reel	Line Desc.	Line Weight
O5165T	31-150 or 61-200	¼ x 250 Links 2½ chains or 165′	2¾

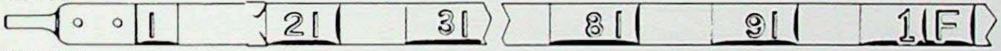
Michigan® Plated Steel

For highway, railroad and other hard service, this durable, electroplated, rust-resistant line is 5/16″ wide and .016″ thick. Line easily attached to reel. Markings are deeply stamped into babbitt metal bosses that are fused to the line. Plated end clips.

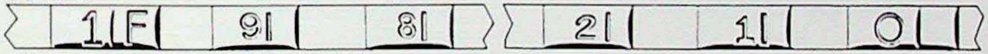
Pair of 580T thongs and a 579 engineers conversion rule are included. O3100 is graduated every foot with first and last foot of each 100′ length graduated to 10ths of feet; blank spaces are at each end. O3100A begins and end measurement at extreme outer ends of clips; first and last foot of each 100′ length graduated to 10ths; balance marked every foot. O3100B, O3200B, O3300B, and O3500B have blank space at each end and an extra foot before zero graduated right to left to 10ths of feet; balance marked every foot except last foot of each 100′ length is graduated to 10ths of feet.



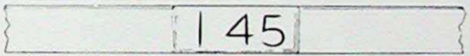
O3100



O3100A



O3100B, O3200B, O3300B, O3500B

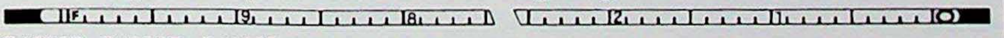


Cat. No.	Required Reel	Line Desc.	Line Weight
O3100	31-100	5/16″ x 100′	2¼
O3100A	31-100	5/16″ x 100′	2¼
O3100B	31-100	5/16″ x 100′	2¼
O3200B	31-200 or 61-200	5/16″ x 200′	4½
O3300B	31-300 or 61-300	5/16″ x 300′	6½
¶O3500B	31-500 or 61-500	5/16″ x 500′	10¼

Canyon

This lightweight, rugged tape, ⅛″ wide and .025″ thick, is extremely useful when minimum weight and wind resistance are important factors. Widely used in spanning bridges, valleys or canyons. Permanent black markings are etched into raised bright steel portion of line. Plated end clips are reinforced. Line attached easily to reel.

Pair of 580T thongs and a 579 engineers conversion rule are included. This line has blank space at each end and an extra foot before zero graduated right to left to 10ths and 100ths; balance is marked every foot except last foot of each 100′ length is graduated to 100ths of feet.

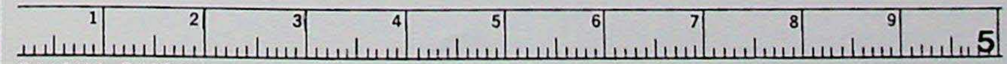


O4200B, O4300B, O4500B

Cat. No.	Required Reel	Line Desc.	Line Weight
O4200B	41-200	⅛″ x 200′	2¼
O4300B	41-300	⅛″ x 300′	3½
O4500B	41-500	⅛″ x 500′	4¾

Canyon Metric

Marked in meters and decimeters throughout with first and last meter graduated in centimeters and first and last decimeter graduated in millimeters.

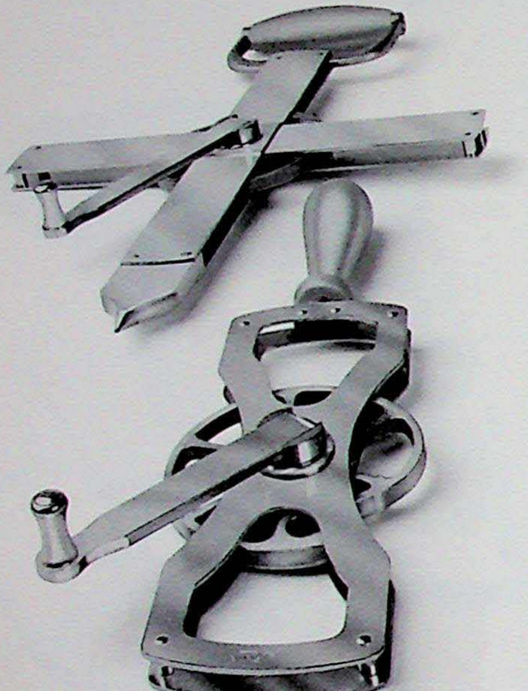


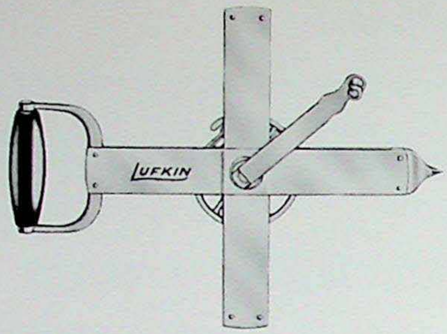
O4164M, O4328M

Cat. No.	Required Reel	Line Desc.	Line Weight
O4164M	41-200	⅛″ x 50m	2
O4328M	41-300	⅛″ x 100m	3¾

¶To be discontinued when present stock is depleted.

Lufkin® Reels For Chain Tapes





31 And 51 Series Reels For Over 100 Foot Lengths

High-quality, sturdy, 4-arm, nickel-plated reel with ample size, iridescent red hardwood "D" handle and spike end. Open design construction aids in drying line and clearing out dirt. Long, easy-action winding handle locks line at any point. Large drum for faster, easier rewinding. Tape easily attached to reel.

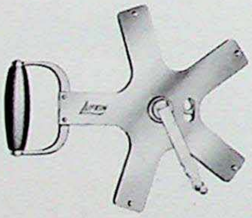
Reel 31-150 fits Pioneer nubian O5100, O5100A, O5200B, O5164M, ¼" wide; Pioneer chrome OC5200B, ¼" wide; Topographic Trailer O5165T, ¼" wide.

Reel 31-200 fits Michigan O3200B, 5/16" wide; Hi-Way nubian, O9200B, 5/16" wide; Super Hi-Way chrome, OC9200B, 5/16" wide.

Reel 31-300 fits Michigan O3300B, 5/16" wide; Hi-Way nubian O9300B, O9300-30G, 5/16" wide; Super Hi-Way chrome OC9300B, 5/16" wide.

Reel 31-500 fits Michigan O3500B, 5/16" wide.

Reel 51-300 fits Pioneer nubian O5300B, O5328M, ¼" wide; Pioneer chrome OC5300B, ¼" wide.



41 And 61 Series Reels For 200, 300 And 500 Foot Lengths

Designed specifically for long, narrow tapes. High-quality, sturdy, 5-arm, nickel-plated reel with iridescent red hardwood, ample size "D" handle. Open design construction aids in drying line and clearing out dirt. Long, easy-action winding handle locks line at any point. Rapid reeling drum, 3⅞" in diameter. Tapes easily attached to reel.

Reel 41-200 fits Canyon O4200B, ⅛" wide.

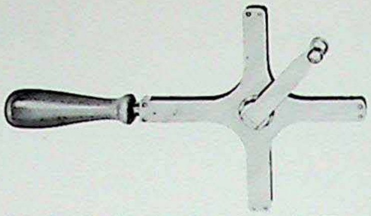
Reel 41-300 fits Canyon O4300B, ⅛" wide.

Reel 41-500 fits Canyon O4500B, ⅛" wide.

Reel 61-200 fits Michigan O3200B, 5/16" wide; Pioneer nubian O5200B, O5164M, ¼" wide; Pioneer chrome OC5200B, ¼" wide; Hi-Way nubian O9200B, 5/16" wide; Super Hi-way chrome OC9200B, 5/16" wide; Topographic Trailer O5165T, ¼" wide.

Reel 61-300 fits Michigan O3300B, 5/16" wide; Pioneer nubian O5300B, O5328M, ¼" wide; Pioneer chrome OC5300B, ¼" wide; Hi-Way nubian O9300B, O9300-30G, 5/16" wide; Super Hi-way chrome OC9300B, 5/16" wide.

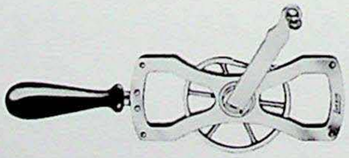
Reel 61-500 fits Michigan O3500B, 5/16" wide; Pioneer nubian O5500B, O5500-30G, ¼" wide; Pioneer chrome OC5500B, ¼" wide.



81, 12 And 11 Series Reels For 100, 200 & 300 Foot Engineers Tapes

Sturdy nickel plated, 4 arm reel, with rollers in each arm for smooth winding. Open design construction aids in drying line and clearing out dirt. Long, easy action winding handle locks line at any desired point. Tapes are easily attached to reel. Iridescent red hardwood handle.

Reel 81-50 fits gaging tapes	—OC1283F/588	—⅜" wide
Reel 81-100 fits chrome clad	—OC1286	—⅜" wide
Reel 81-200 fits chrome clad	—OC1288	—⅜" wide
Reel 91-25 fits gaging tapes	—OC1290SF/590	—½" wide
Reel 91-50 fits gaging tapes	—OC1293SF/590	—½" wide
Reel 91-75 fits gaging tapes	—OC1296SF/590	—½" wide
Reel 12-150 fits western chrome clad	—OC1676D	—¼" wide
Reel 12-200 fits western chrome clad	—OC1678D	—¼" wide
Reel 11-100 fits peerless chrome clad	—OC1276	—¼" wide
Reel 11-200 fits peerless chrome clad	—OC1278	—¼" wide
Reel 11-300 fits peerless nubian (black)	—O1279X	—¼" wide



Reels For Chain Tapes
31-100 Reels
For 100 Foot Lengths Only

High-quality, sturdy, 2-arm, nickel-plated reel with iridescent red hardwood handle. Open design construction aids in drying line and clearing out dirt. Long, easy-action winding handle locks line at any point. Large drum for faster, easier rewinding. Tapes easily attached to reel. Fits these chain tape numbers:

Reel 31-100
Michigan—5/16" wide—O3100, O3100A, O3100B, O3100M.

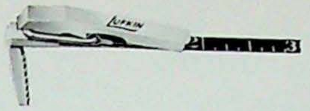
Pioneer nubian—¼" wide—O5066A, O5100M, O5100B.

Pioneer chrome—¼" wide—OC5100B.

Hi-Way nubian—5/16" wide—O9100, O9100A, O9100B, O9066A.

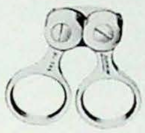
Super Hi-Way chrome—5/16" wide—OC9100, OC9100B.

Lufkin® Accessories



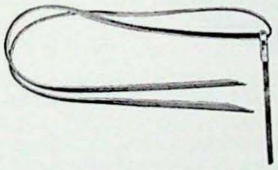
552, 552½ Detachable Hooks

This hook, easily attached or removed from standard ring tape line, lets one man take measurements unassisted. Hook is brass, heavily nickel-plated; serrated face grips firmly and releases easily. On tapes measuring from outer end of ring, zero falls at inside of hook. Popular for use on Anchor and Leader chrome clad tapes, and Banner and Royal Ni-Clad metric tapes. 552—for lines ⅜" wide, 552½—for lines ½" wide.



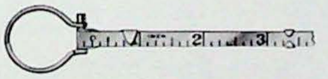
584 Tape Clamp Handle

Used for quickly and positively gripping a steel tape at any point, and applying light or heavy tension. It is applied and removed by simply operating the handle. When used properly, it will not damage a tape in any way. Made of chrome-plated zinc alloy.



580T Leather Thongs

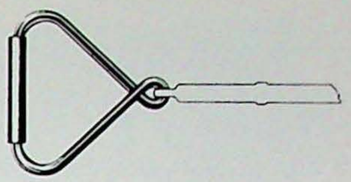
Same as furnished with all Lufkin chain tapes and certain types of our other tapes. 36 inches long and ¼ inch wide. Chrome tanned and practically unbreakable. Sold in pairs.



580 Engineers Tape Ring

This ring, for ¼" wide tapes only, is furnished in pairs with Wolverine engineers and surveyors tapes and Peerless chrome clad and Peerless nubian chain tapes.

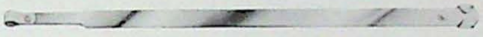
This sturdy, nickel-plated steel, round finger ring is 1⅛" in diameter. It swings on a hinge pin. Riveted to its lip is a steel supporting strip 3½" long. The strip flexes and slides with the tape line, its outer end being held to the line only by side lips as shown above. Thus, sharp kinking, which can cause breakage, is avoided. Attaching ring by sliding tape through ring guide lips and over pin or stud is very simple. It is also easy to detach last end ring when returning tape to reel. Ring does not interfere with reading of graduations. On tapes having this ring, zero point regularly falls at the end of the line, as illustrated above.



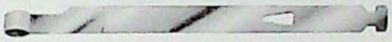
580E Triangular Tape Handle

This solid brass handle provides a comfortable grip for measuring with chain tapes. It is easily attached and removed from tape end clip. Can be used on ¼" and 5/16" wide steel tapes.

580F & 580H Tape Fingers



580F

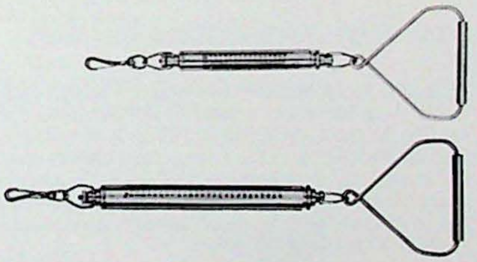


580H

A tape finger is the bright metal connecting strip between drum assembly and steel tape line. Loop end of the finger engages a post on the drum; other end extends out of the case and attaches to the line.

580F—¼" wide, 7" long. For C1276, C1278, 1279X, C1376D.

580H—⅜" wide, 5¾" long. For attaching ⅜" wide steel tapes to cases. For C1286, C1288.



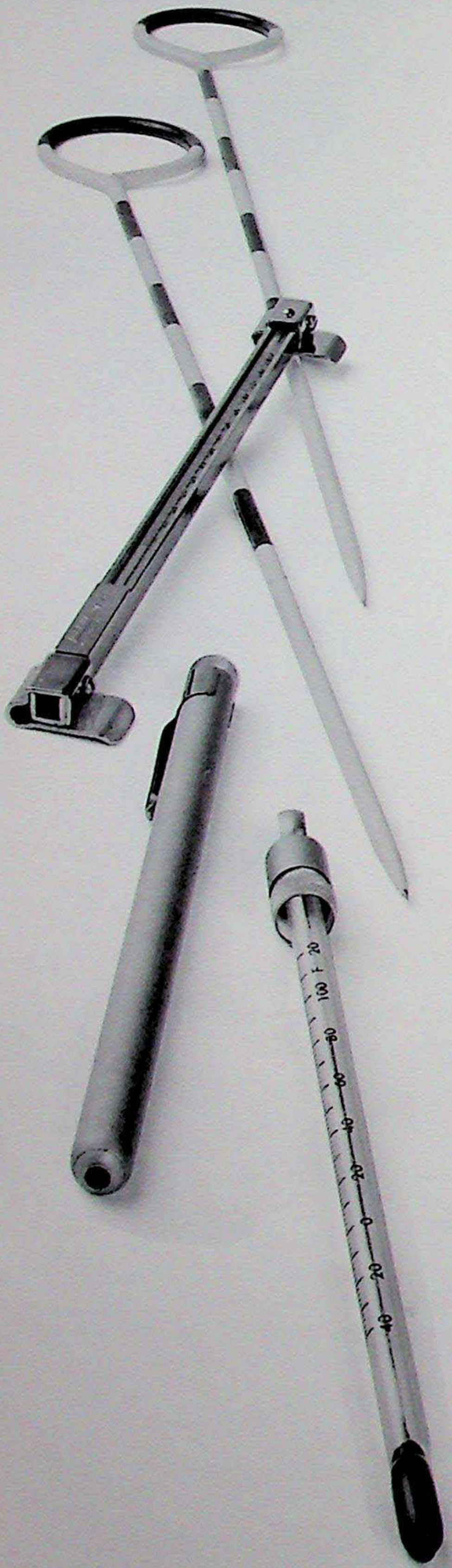
586, 586D Tape Tension Handles

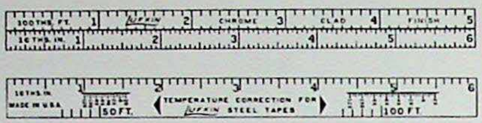
For extremely accurate measurements, steel tapes should be used under proper tensions (see page 15). The tension handle is attached to one end of the tape and the proper tension is applied when the measurement is taken. When measuring with an unsupported line, tension handle should be used to counteract the effect of sag. Rustproof brass construction with black-filled etched graduations. Graduations begin at snap end and are easy to read when tension is applied.

586—Capacity of 30 lbs. by ½ lbs. and 25 kg by .25 kg

586D—Capacity of 50 lbs. by ½ lbs. and 30 kg by .25 kg

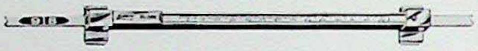
Lufkin® Accessories





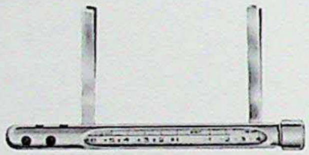
579 Engineers Conversion Rule

This 6" conversion wood rule is included with all Lufkin engineers and surveyors tapes and chain tapes. It may also be purchased separately. Convenient, handy pocket size. Graduated one side lower edge inches to 16ths of an inch, and upper edge 10ths and 100ths of feet. Other side is graduated on upper edge inches and 10ths of inches; lower edge graduated with temperature correction scale for Lufkin 50 and 100 foot steel tapes.



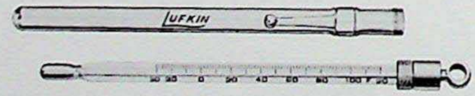
581C Celsius Thermometer

Temperature range is from −20°C to +60°C graduated in 1° increments.



582 Tape Temperature Corrector

This is a thermometer with a scale which indicates in decimals of a foot the temperature correction to be applied to a 100-foot steel tape. Designed for use in the field, it can be mounted on transit by binding copper thongs around standards. Easy to use. Read the thermometer and measure long or short as indicated. Complete instructions included.

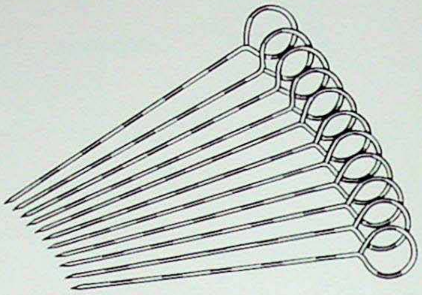


583 Pocket Thermometer

A high-quality thermometer furnished in a metal carrying case. An essential tool when measuring to extreme accuracy. Temperature range is from −30° to +120°F, graduated in 2° increments. It is 5½" long, and has pocket clip.

583C Celsius Thermometer

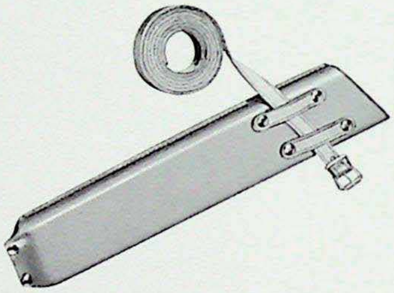
Temperature range is from −40°C to +50°C graduated in 1° increments.



593-14 Surveyors Steel Arrows

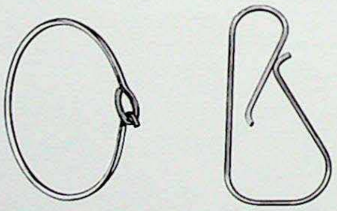
Lufkin surveyors arrows are made of 3/16" hardened round steel, 14" long. Furnished in sets of 11, the number required for each 1,000 feet when chaining with a 100-foot tape. Large eye for easier handling.

593—Enameled alternately red and white; easy to locate in grass or brush.



597 Leather Quiver

Carrying quiver for 14-inch surveyors steel arrows is made of the best-quality sole leather. Designed and shaped for convenient carrying around the waist. Furnished with 48" leather belt.

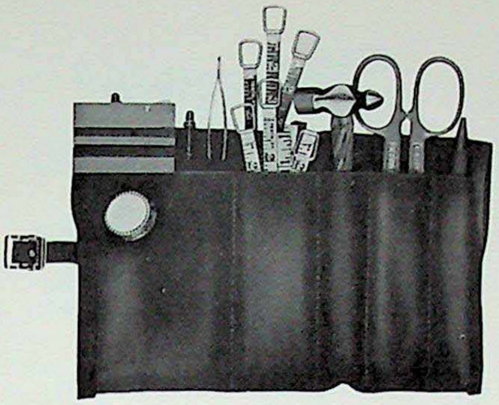


596, 596A Carrying Rings For Surveyors Arrows

596—Made of 3/16" round steel, 6" in diameter. White enameled finish.

596A—Made of 3/16" round steel, chrome finish. Flat end for carrying arrows.

Lufkin® Tape Repair Kits



Tape Repair Kits

576 Tape Repair Kit

A sturdy, practical kit for splicing steel tapes of all kinds, widths and weights. Can be used to repair tape lines in the field, and by the service departments of engineering, instrument and supply houses.

The steel punch block, 2⅛" high, sits firmly on a ⅞" x 2¾" base. The piercing punch has head for striking with hammer. Tap of hammer on fulcrum lever raises the punch. Face of block is notched and has tape slot and three sighting lines to simplify accurate locating of holes. The back has hardened, flush, inset riveting block. Piercing punch is readily removed and one extra punch is furnished. Packed in compact case, kit weighs 3 lbs. Folds and is held by tie strap to size of 9" x 3½" x 1½".

Instructions for use

Punch only one piece at a time. For matching to locating lines on punch block (when punching holes), always use same graduation on the tape to be repaired and the repair piece of tape. Follow closely further instructions given on the sheet packed with each kit.

576 Tape Repair Kit contains these items in a compact carrying case

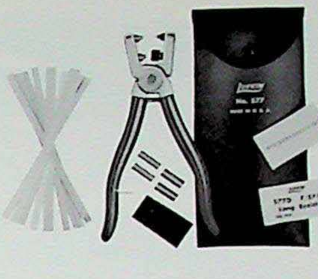
Punch and riveting block with piercing punch; cutting snips; riveting hammer; steel tape repair pieces of various kinds, widths, weights and markings, including chrome clad, nubian (black), with and without rings; rivet set, tweezers, extra piercing punch; 1 lot of solid steel rivets in a box.

Separate parts of 576 Repair Kit

1	Case (Duck)
1 576B	Punch Block Complete (Notched to show punch)
1	Hammer
1000 576D	Rivets
1 576E	Extra Punches
1 576F	Rivet Set
1	Shears (Snips)
1	Tweezers
14 576G	Tape Repair Pieces (Group I)

576A Tape Repair Kit

#576A	To Meet Mil-R-11567
1	Case (Duck)
1	Punch Block Complete (Notched to show punch)
1	Hammer
2	Extra Punches
1000	Rivets
1	Rivet Set
1	Shears (Snips)
1	Tweezers
31	Tape Repair Pieces (Group II)
12	Eureka Sleeves (4 ea. ¼ - 5/16 - ⅜)



577 Tape Repair Kit

With this combination hand punch and splicing tool, secure and accurate splices with eyelets can be made on the job quickly, saving valuable time. Each 577 kit includes four Eureka repair sleeves (described below) which are better for repairing the heavier types of ¼" and 5/16" tapes.

Leatherette case, with snap fastener, keeps all items intact. Convenient to carry, it measures 3" x 9" and weighs ¾ lb. when packed.

577 kit contains these items, in leatherette case

Punch and eyeleting tool; supply of long and short eyelets; assortment of ungraduated steel tape pieces; 4 Eureka repair sleeves (2 each of ¼" and 5/16").

Separate parts of 577 Repair Kit

577B—Hand punch and eyeleting tool complete
577C—Eyelets only, 500 short
577D—Eyelets only, 500 long
577E—Punching pin
577G—Female set die
577H—Female punch die
577F—Male die set

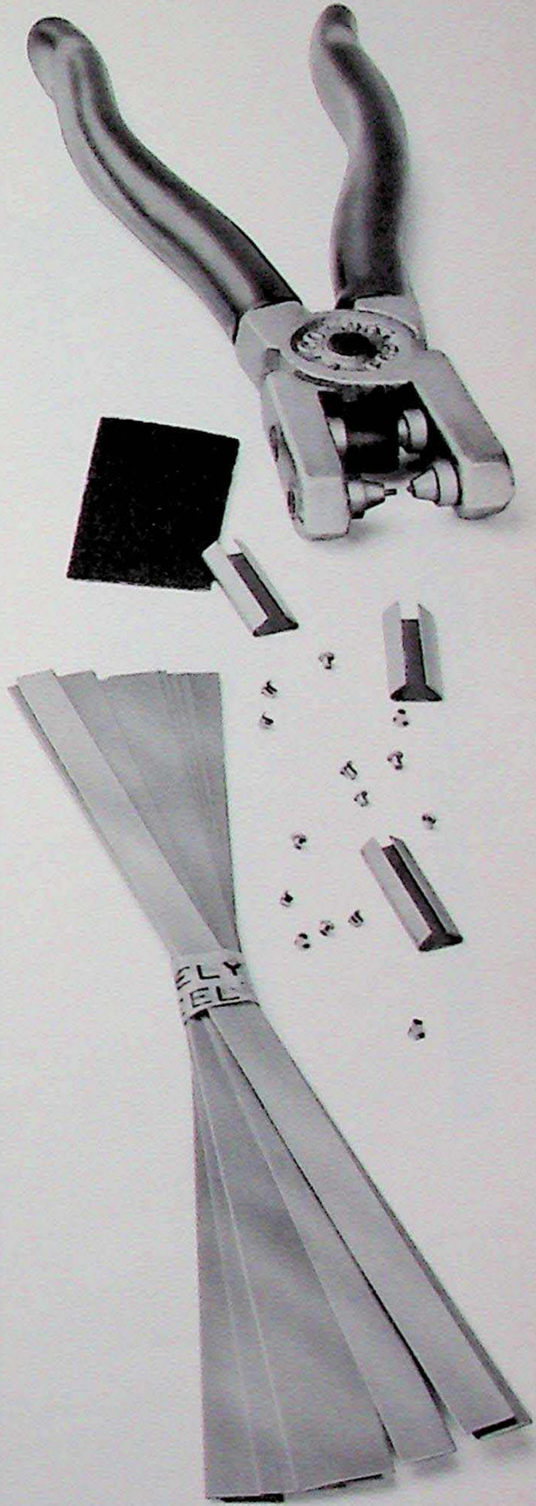
Eureka Tape Repair Sleeves

All that is needed to splice a steel tape quickly is one of these sleeves and a match.

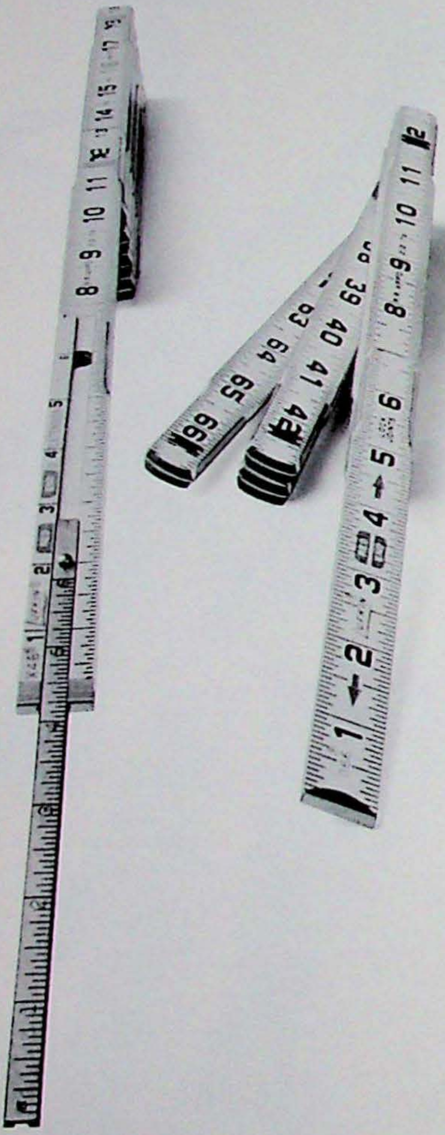
To weld sleeve to tape: 1) clean tape ends, hammer them if there is any burr; 2) butt broken ends together inside sleeve, tapping sleeve unit tight; 3) burn out match underneath sleeve, holding tape until cool.

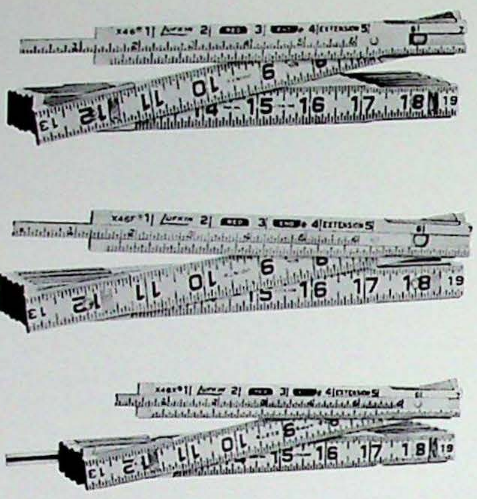
These thin, sheet metal sleeves are ready-coated with solder and flux. Twelve sleeves of one size are packed in a small, durable box with piece of emery cloth. Directions in each box. Sleeves available as follows:

577K—for ⅛" tapes
577M—for ¼" tapes
577P—for 5/16" tapes
577R—for ⅜" tapes
577T—for ½" tapes



Lufkin® Folding Rules





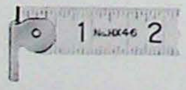
Red End® Extension

First choice of carpenters and other professional craftsmen. Boxwood finish wood sections are 25% thicker than regular wood rules — will withstand hard, daily usage. Graduated brass slide extends full 6-inches. Superior riveted lock joints are long wearing, brass plated and designed specifically to eliminate end play and retain accuracy. End caps and strike plate are brass plated to prevent wear. Graduations actually embedded into wood and protected with clear, tough epoxy coating — will not chip, peel or discolor. Marked both sides, both edges to 16ths of an inch — 16-inch stud centers in red. Regular, outside markings, HX46 has sturdy folding brass plated hook. Zero falls at inside of hook. Permits measuring beyond arms reach.

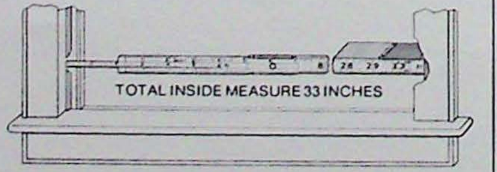
X46F has flat, inside markings. Numbering begins on inside of rule; measurement lies close to the work.

X46X has two 6-inch brass extension slides. No matter how rule is unfolded, an extension is ready for use on first section.

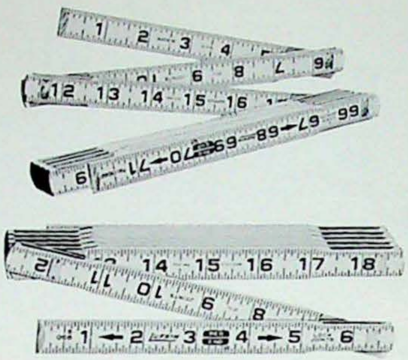
Cat. No.	Length	Std. Pk.	Case Qty.	Case Wt. Lbs.
X46	6 ft.	6	288	116
HX46	6 ft.	6		—
X48	8 ft.	6		—
HX48	8 ft.	6		—
X46F	6 ft.	6	144	58
X46X	6 ft.	6	144	61½



HX46 & HX48 have the same quality as Model X46, but also have a sturdy, folding, brass-plated hook. Zero falls at inside of hook. Hook permits taking measurements that are beyond arm's reach.



For inside measurement: Open rule to within 6 inches of distance. Butt square end against one side of opening. Extend slide to touch other side. Add measurement on slide to that shown at other end of rule.

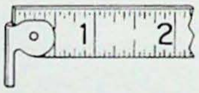


Red End®

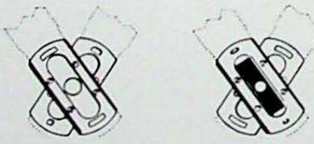
The standard of the industry — copied, but never duplicated. Bold red and black markings embedded in wood and contrast sharply against white background. Markings protected by clear, tough epoxy coating — will not chip, peel or discolor. Positive lock joints are long wearing, brass plated and designed specifically to eliminate end play and retain accuracy. End caps and strike plates are solid brass to prevent wear. Marked both sides, both edges to 16ths — 16-inch stud centers in red. Regular, outside reading. H066 has sturdy folding brass plated hook. Zero falls on inside of hook. Permits measuring beyond arms reach.

066F and 068F have inside markings. Numbering begins on inside of rule; measurement lies close to the work.

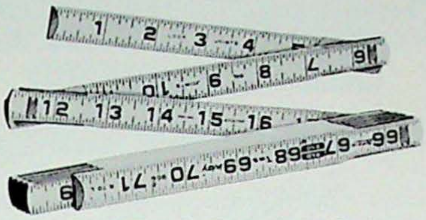
Cat. No.	Length	Std. Pk.	Case Qty.	Case Wt. Lbs.
066	6 ft.	6	288	88
H066	6 ft.	6		—
068	8 ft.	6		—
066F	6 ft.	6	144	42
068F	8 ft.	6		—



H066 has the same quality as the 066, but also has a sturdy, folding, brass-plated hook. Zero falls at inside of hook. The folding hook makes it possible for a person to take measurements that are beyond arm's reach.



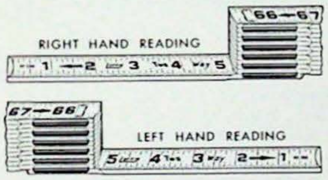
In addition to lengthwise snap sockets in each spring plate, our lock joint has two cut-out crosswise slots in one plate and lugs on the other plate that snap snugly into the slots. This guards against end play, helps maintain accuracy.



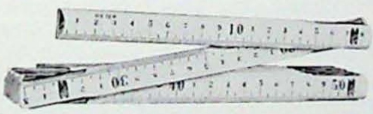
Red End® Two Way® &
Metric Red End Two Way

Equally handy for measuring left to right and right to left. Flat, inside markings lie close to the work. Red and black markings contrast sharply against white background and are actually embedded in wood. Protected by clear, tough epoxy coating — will not chip, peel or discolor. Positive lock joints are long wearing, brass plated and designed specifically to eliminate end play and retain accuracy. End caps and strike plates are brass plated. The 966 is marked both sides, both edges in feet, inches and 16ths. The 966M is marked both sides — inside flat from left or right in millimeters.

Cat. No.	Length	Std. Pk.	Case Qty.	Case Wt. Lbs.
966	6 ft.	6	144	42½
966M	2 meters/6 ft.	6	144	42½



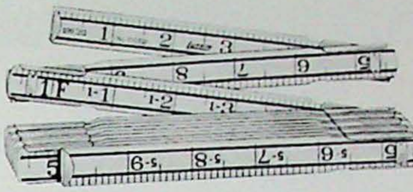
As shown above, the Two Way® rule permits direct reading of measurements from either right or left. Sections open for use lie flat directly against the work.



Metric & Metric-English
Red End® Rule

The Lufkin Red End® folding rule is known the world over for accuracy. Is available with outside graduated decimeters to millimeters on lower edge of lath and inside graduated consecutive inches to 16ths on upper edge of lath on 062ME. Also available graduated in millimeters only on 062M.

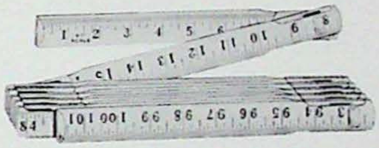
Cat. No.	Length	Lb. Wt. Each	Std. Pk.
062ME	6 ft.	3¼	6
062M	2m	3¼	6



Red End® Engineers &
Metric Engineers

Easy to read flat, inside markings. On 066D and 1066D graduated in feet, 10ths and 100ths feet. Regular outside markings in feet, inches and 16ths. Red foot figures. Decimal points on engineers scale prevent reading errors. On 1066MD and the 062MD, graduated millimeters one side, 10ths to 100ths of foot on opposite side.

Cat. No.	Length	Std. Pk.	Case Qty.	Case Wt. Lbs.
066D	6 ft.	6	144	42
1066D	6 ft.	6	144	50
062MD	2 meters/6 ft.	6	144	
1066MD	2 meters/6 ft.	6	144	

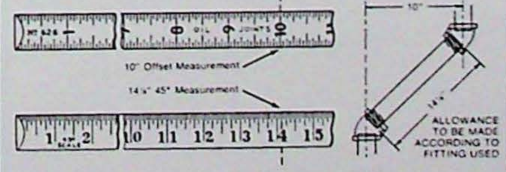


Red End® Plumbers

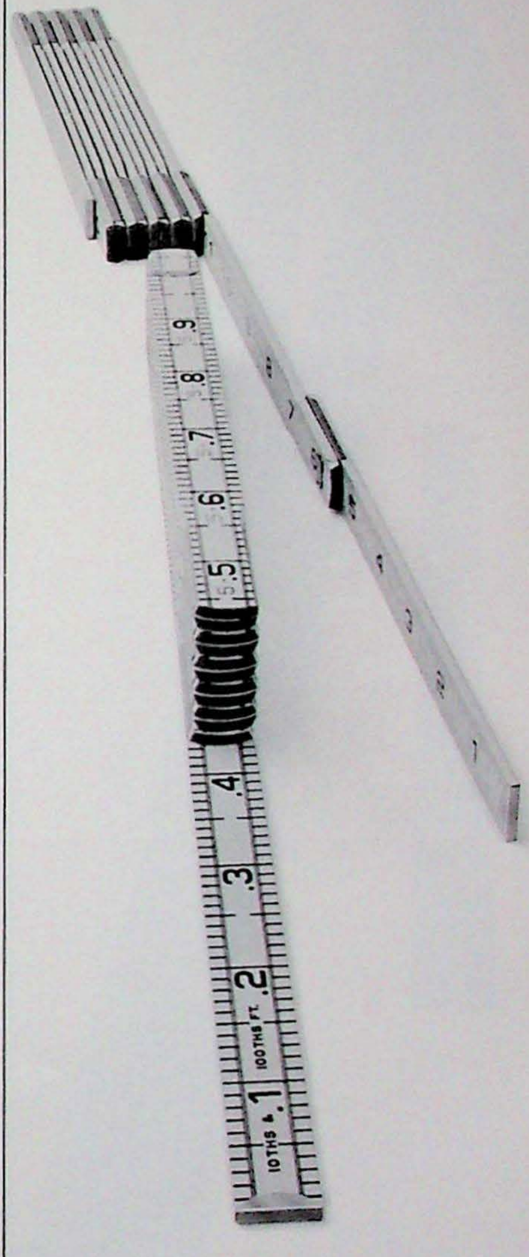
Regular outside markings in black, vertical, consecutive inches to 16ths, both edges. Flat inside markings in red, 45° scale, inches to 16ths upper edge only. Wood sections 25% thicker than ordinary wood rules. Markings actually embedded in wood and protected by clear, tough epoxy coating — will not chip, peel or discolor. White background. Positive lock joints are brass plated and designed specifically to eliminate end play and retain accuracy. End caps and strike plates are brass plated.

Cat. No.	Length	Std. Pk.	Case Qty.	Case Wt. Lbs.
626	6 ft.	6	72	21½

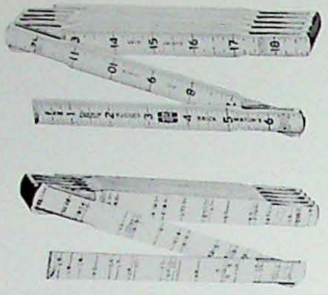
Example: Sketch below shows 10-inch, 45° offset. By turning rule at 10-inch graduation on standard inch side, graduation directly opposite in red indicates center-to-center of fittings to be 14⅛ inches. Actual length of pipe will vary, as allowances must be made for type of pipe and fitting used. All other size offsets are calculated in same manner. Where offset is longer than length of rule, add 45° scale measurement of extra distance to last scale on rule (101-13/16 inches).



Lufkin® Folding Rules



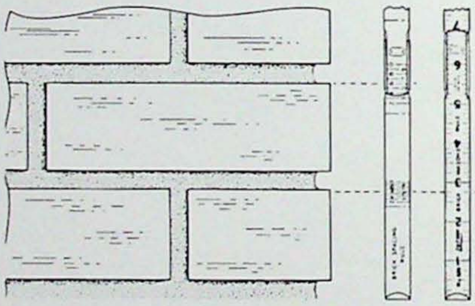
Lufkin® Folding Rules



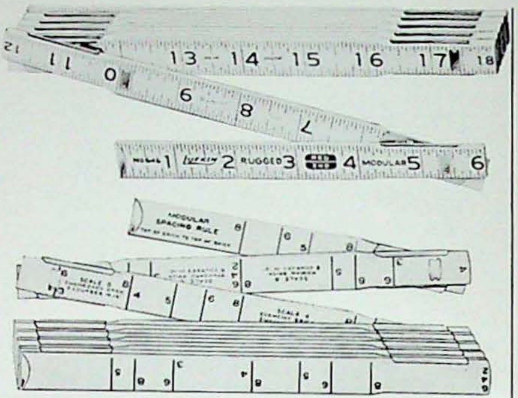
Red End® Brick Masons

Used by bricklayers for spacing brick courses. Regular outside markings in black, vertical, consecutive inches to 16ths, both edges. Brick masons scale on inside — red course counters numbered consecutively. Wood sections 25% thicker than ordinary wood rules. Markings actually embedded in wood and protected by clear, tough epoxy coating — will not chip, peel or discolor. White background. Positive lock joints are brass plated and designed specifically to eliminate end play and retain accuracy. End caps and strike plates brass plated.

Cat. No.	Length	Std. Pk.	Case Qty.	Case Wt. Lbs.
636 Rugged	6 ft.	6	144	55



SPECIAL GRADUATIONS — outside is graduated with vertical figures, marked both edges, consecutive inches to 16ths. Brick mason's scale on inside, with 10 scales. To take a measurement when mortar thickness is known: Assume mortar is ½-inch thick, and average brick is 2¼ inches thick. Added, they give a 2¾ inch course. Place your thumbnail on edge of rule at 2¾ inches, turn to other side, and thumbnail is on scale 6 mark. This is the correct scale for above conditions. Illustration shows how to check wall as it is being laid. Readings from top edge of bricks are at scale 6. When space only is known, measure the space with the scale side of the rule to the nearest scale mark. For instance, assume a space of 37 inches is to be bricked. On brick mason's scale side of rule, 37 inches falls between scale 4 and scale 8. Checking these scales at starting end of rule, scale 4 equals 2⅝ inches and scale 8 equals 2⅞ inches. If brick to be used averages 2½ inches, scale 4 would allow a ⅛-inch joint, scale 8 a ⅜-inch joint. Proper joint thickness can be selected from these two.

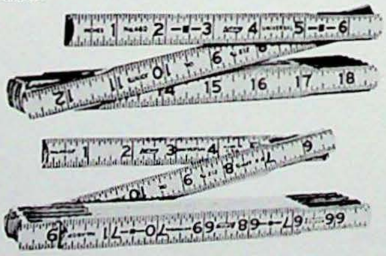


Red End® Modular Spacing

Designed for masonry work such as laying concrete and glass blocks, facing tile and special brick. Regular outside markings graduated both edges consecutive inches to 16ths, 16-inch centers in red. Flat, inside readings marked in 6 scales for various block and brick on a 16-inch module. Wood sections 25% thicker than ordinary wood rules and have square ends. Markings actually embedded in wood and protected by clear, tough epoxy coating — will not chip, peel or discolor. White background. Positive lock joints are brass plated and designed specifically to eliminate end play and retain accuracy. End caps and strike plates are brass plated.

Cat. No.	Length	Std. Pk.	Case Qty.	Case Wt. Lbs.
646 Rugged	6 ft.	6	144	55

SPECIAL GRADUATIONS — outside is graduated both edges, consecutive inches to 16ths. The first end section is a short section which permits butting the rule on the first 16-inch module. All sections have square ends and every joint opens on even numbered figures. Inside is marked with 6 scales in 16-inch module. Scales are: 2 courses in a 16-inch space, for concrete blocks and glass blocks; 3 courses in a 16-inch space, for facing tile; 4 courses in a 16-inch space, for small facing tile and economy brick; 5 courses in a 16-inch space, for engineered brick; 6 courses in a 16-inch space, for standard brick; 8 courses in a 16-inch space, for Roman brick. Scales include ⅜" mortar space.

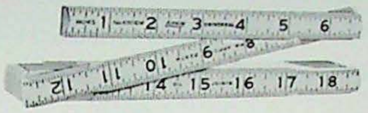


Home Shop Universal, Metric & Metric-English

A good "home shop" hardwood folding rule. Ends are finished and sealed. Spring joints and end caps are brass-plated steel. Black markings on white background. Graduated consecutive inches to 16ths, both edges, both sides on both 460 and 460F. 460 has regular markings; numbering is on outside of rule. 460F has flat markings; numbering is on inside of rule. 460M is outside reading, graduated in millimeters; 460ME is outside reading, graduated millimeters one side, inches on other side.

Cat. No.	Length	Std. Pk.	Case Qty.	Case Wt. Lbs.
460	6 ft.	12	288	83
460F	6 ft.	12	288	83
460M	2 meters/6 ft.	6		
460ME	2 meters/6 ft.	6		

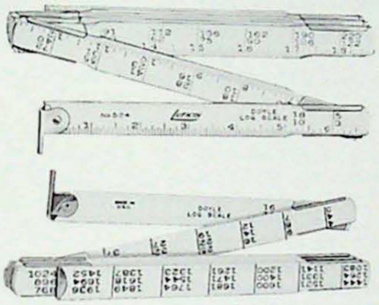
Lufkin® Folding Rules



English-Metric Universal® Rule

Graduations are embedded in both sides for long wear. Outside is in consecutive inches to 16th on both edges. The inside is graduated decimeters to millimeters. This rule is 6 feet long.

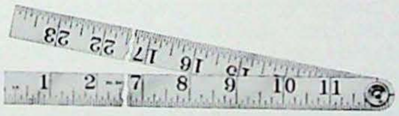
Cat. No.	Length	Lb. Wt. Each	Std. Pk.
450EM	6 ft.	1¼	1



Doyle Log Scale

Marked outside for 10 and 18 foot logs, lower edge consecutive inches to 16ths. Marked inside for 12, 14 and 16 foot logs. Black graduations contrast sharply against white background. Hardwood sections with ends finished and sealed. Folding hook, lock joints and end caps are brass plated steel. Markings embedded in wood and protected with clear, tough coating.

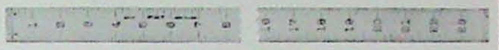
Cat. No.	Length	Lb. Wt. Each	Std. Pk.
524	48"	1	1



Steel Blacksmiths Rules

This 2-foot, 2-fold rule is made of tempered steel, ¾" wide, 1/32" thick. Deeply-etched black markings are legible and permanent. Sections are 12" long. Riveted joints have large side washers and a stop bringing rule to a firm stop when opened straight. The lower edge on one side is graduated to 16ths of an inch; upper edge on other side to 8ths, lower edge 75 circumference inches to 8ths for converting diameters directly to circumference measurements.

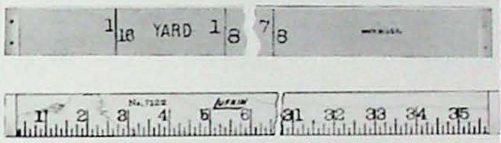
Cat. No.	Length	Std. Pk.
86	2 ft.	12



School Shop Bench Rules

The preferred wood rule for school woodworking shops. One-piece, selected hardwood, well seasoned. Tough, clear coating protects natural finish. Bold markings are embedded in wood below surface; black-filled for quick, easy reading. Large graduations; inches numbered vertically top to bottom; opposite sides read from opposite ends. Marked both sides, both edges; one side in 8ths, other side in 16ths. Brass end caps prevent wear.

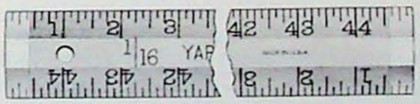
Cat. No.	Desc.	Std. Pk.
34¼V	¼" x 1¼" x 12"	12
34V	¼" x 1¼" x 24"	12



Hardwood Yardstick

Superior-quality yardstick for years of satisfactory service. One-piece, selected hard maple, smooth and well-finished. Bold markings embedded in wood below surface; black-filled for easy reading. 7122 is marked both sides reading from same end. One side, lower edge, inches to 8ths; other side, both edges, fractions of years; 1/16, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞. Brass end caps prevent wear.

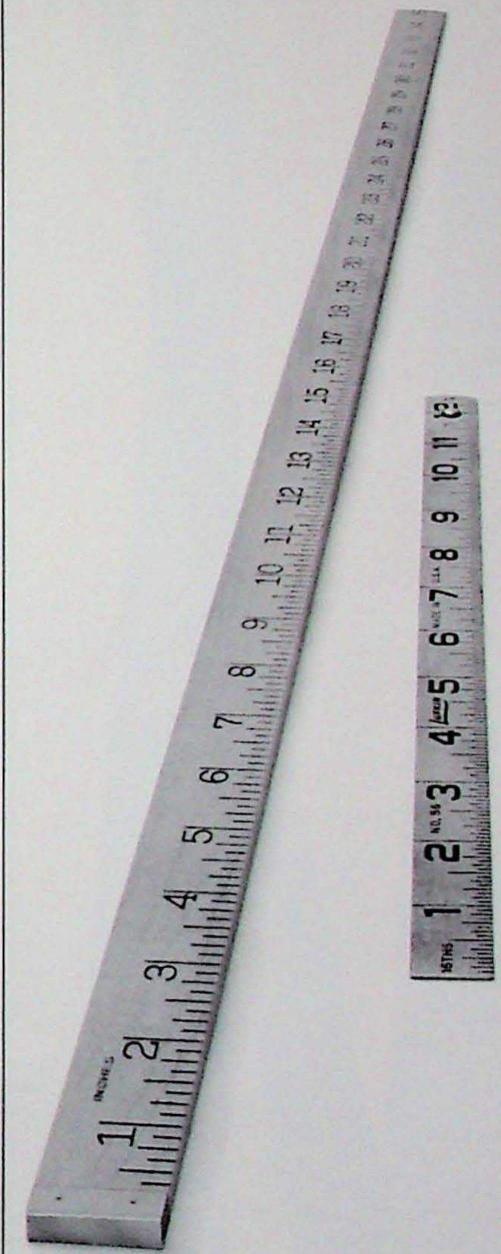
Cat. No.	Desc.	Std. Pk.
7122	36" x 1" x ¼"	12



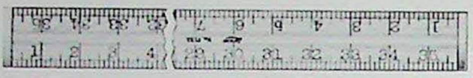
Beveled 1¼ Yardstick

Designed for tailors and dressmakers for laying out, cutting, etc. Beveled both edges on one side so markings lie close to the work. One-piece; selected hard maple, smooth and well-finished; natural finish with clear protective coating. Hole in one end for hanging. Bold markings embedded in wood below surface; black-filled for easy reading. Large graduations: marked on bevel side only, inches to 8ths; opposite edges read from opposite ends. On flat center surface, fractions of yards: 1/16, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1⅛. Brass end caps prevent wear.

Cat. No.	Desc.	Std. Pk.
7127	45" x 1½" x 5/16"	12



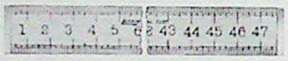
Lufkin® Flat Rules



7132 Series Flat Wood Rules

Used extensively in shop, factory and textile industry as a bench rule. Easily read from either side of bench or table. Can be brought quickly to position on work, as measurements start at opposite ends. One-piece, selected hard maple, properly seasoned, smooth and well-finished; natural finish with clear protective coating. Hole in end for hanging. Bold markings embedded in wood below surface; black-filled for easy reading. Large graduations; marked both sides, both edges. One side, inches to 8ths; other side inches to 16ths. Brass end caps prevent wear.

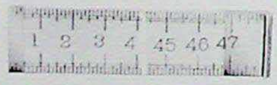
Cat. No.	Desc.	Std. Pk.
7132	36″ x 1½″ x ¼″	12
7133	48″ x 1½″ x ¼″	12
7134	60″ x 1½″ x ¼″	12
7135	72″ x 1½″ x ¼″	12



Glaziers Rules, Without Lip

High-quality rule designed specifically for the glass-cutting industry; regularly stocked and sold through glass supply houses. One-piece, selected hard maple, smooth and well-finished; natural finish with clear protective coating. Bold markings embedded in wood below surface; black-filled for easy reading. Large graduations; marked both sides. One side, both edges, consecutive inches to 8ths. Other side, lower edge, consecutive inches to 8ths; upper edge, feet and quarter feet. Opposite sides measure from opposite ends. Brass end caps prevent wear.

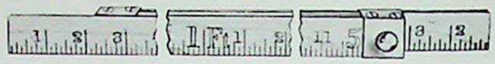
Cat. No.	Desc.	Std. Pk.
7137	48″ x 2″ x ¼″	1
7139	72″ x 2½″ x ¼″	1



Glass Cutters Rules, With Brass Lip

Used extensively by glass distributors and in glass factories. Superior rules of one-piece, selected hard maple, smooth and well-finished; natural finish with clear protective coating. Bold markings embedded in wood below surface (not just printed); black-filled for easy reading. Large graduations; marked both sides, both edges, consecutive inches to 8ths. One end has sturdy, extruded brass lip or flange extending ⅜″ from one flat surface of rule; attached by four rivets extending through both side plates. Other end has brass cap. On upper face, zero falls at inside of lip; on lower face at opposite end of rule.

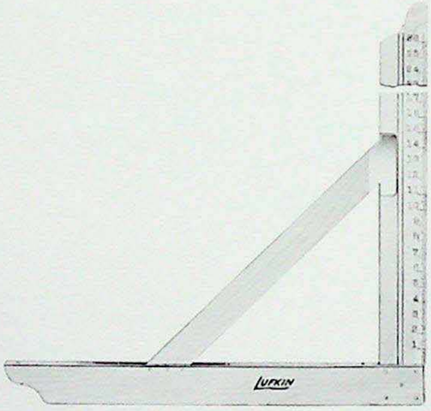
Cat. No.	Desc.	Std. Pk.
7142	48″ x 2″ x ⅜″	1
7144	72″ x 2½″ x ⅜″	1
7146	96″ x 3″ x ⅜″	1
7148	120″ x 3″ x ⅜″	1
7149	144″ x 3″ x ⅜″	1



Builders Extension Rules

Two-section sliding rule lets one man quickly and accurately measure from floor to ceiling or across openings. Tension spring and set screw hold sections secure, closed or extended. Selected, polished hard maple, smooth and well-finished; natural finish with clear protective coating. Bold markings embedded in wood below surface (not just printed); black-filled for easy reading. Large graduations; marked feet, inches and 8ths on lower edge of both sides. Brass plated clamps and end caps prevent wear. Sections are 1″ wide, ⅜″ thick, with stop at both ends. 7165 closed length is 5 feet; opens to 10 feet. 7166 closed length is 6 feet; opens to 12 feet.

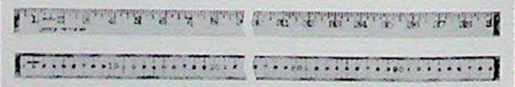
Cat. No.	Length	Std. Pk.
7165	5′ to 10′	1
7166	6′ to 12′	1



7170 Series Glass Cutter "L" Squares

These thoroughly-seasoned hardwood squares are well-finished in the natural wood and have substantial corner brace with brass side plates. Blade is mortised through and securely riveted into the stock. Stock is brass bound on inner face and has shoulder on both sides of blade so square can be used on either side. One-piece, hard maple; natural finish with clear protective coating. Bold markings embedded in wood below surface; black-filled for easy reading. Large graduations; marked both sides on outer edges, inches to 8ths. Zero on both sides falls at inside of stock.

Model	Blade, Inches			Stock, Inches		
Cat. No.	Graduated Length	Width	Thickness	Length	Width	Thickness	Std. Pk.
7170	36″	3″	¼″	27″	2½″	13/16″	1
7171	48″	3″	¼″	27″	2½″	13/16″	1
7172	60″	3″	¼″	30″	2½″	13/16″	1



Metric-English Wood Meter Stick

7112ME is a high quality hardwood meter stick used in school and laboratories where metric measurements are required. One side has large markings on both edges, centimeters to millimeters. The other side upper edge only is consecutive inches to 8ths. This meter stick is 1 meter long x 25mm wide x 6.35mm thick.

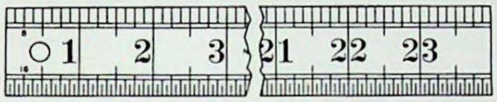
Cat. No.	Rule Length	Lb. Wt. Each	Std. Pk.
7112ME	1 meter	⅜	1

Lufkin® Flat Rules

School Shop Steel Rules

Medium weight, tempered steel rules; popular in school shops and industrial plants. Hole in one end for hanging. Deeply-etched, permanent markings are black-filled for easy reading. Large graduations, marked upper edge both sides; one side 8ths, other side, 16ths. Opposite sides measure from opposite ends.

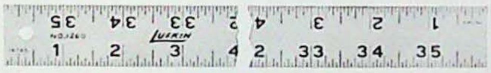
Cat. No.	Desc.	Std. Pk.
60-12	12" x ¾" x 1/32"	6
60-24	24" x ¾" x 1/32"	6



One-Piece Steel Rules

These substantial tempered steel rules are in demand by industrial users who want accuracy and legibility at a popular price. Also preferred by many school shop instructors. Bold markings, deeply-etched and permanent, are black-filled for easy reading; heavier than on machine-divided rules. Large graduations; marked both sides, both edges. Upper edge in 8ths, lower edge in 16ths. Opposite sides measure from opposite ends.

Cat. No.	Desc.	Std. Pk.
62-1	1' x 1¼" x 1/16"	1
62-2	2' x 1¼" x 1/16"	1
62-3	3' x 1¼" x 1/16"	1
62-4	4' x 1¼" x 1/16"	1
62-6	6' x 1¼" x 1/16"	1



Aluminum Yardstick

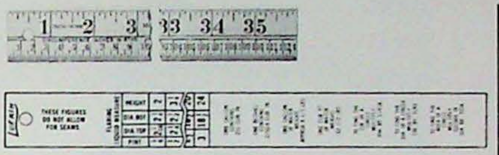
Finest quality aluminum yardstick. Lightweight, flexible, rustproof, tarnish-free, plus sharply-defined, easy-to-read markings. Straight, parallel edges for greater accuracy. Finer graduations read easier. Marked one side only, both edges in consecutive inches to 16ths. Lies flat and has hang-up hole for storage.

Cat. No.	Desc.	Std. Pk.
1260	36" x 15/64"	6

Metric-English Metal Meter Stick

This aluminum meter stick is very useful in helping to make the transition to the metric system. It's graduated on the front side in inches to 16th on upper edge and in decimeters, centimeters and millimeters on the lower edge. On the reverse side tables of equivalents and conversions are shown.

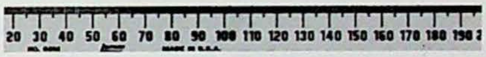
Cat. No.	Line Desc.	Lb. Wt. Each	Std. Pk.
1261ME	1m x 27mm	1½	6



Tinners Steel Circumference Rule

A standard rule with tinners and other sheet metal workers. Tempered medium-weight steel; hole in one end for hanging. Deeply-etched, permanent markings are black-filled for easy reading. Special graduations: on 95-3' model, one side, upper edge, marked consecutive inches to 16ths, lower edge, marked up to 113 circumference inches to 8ths; on 95-4' model, one side, upper edge, marked consecutive inches to 16ths, lower edge, marked up to 150 circumference inches to 8ths. Reverse side of both models has formulas for calculating circumference, diameter, area, etc., and size tables for laying out measures and cans.

Cat. No.	Desc.	Std. Pk.
95-3	3' x 1¼" x 1/16"	1
95-4	4' x 1¼" x 1/16"	1



Metric School Shop Steel Rule

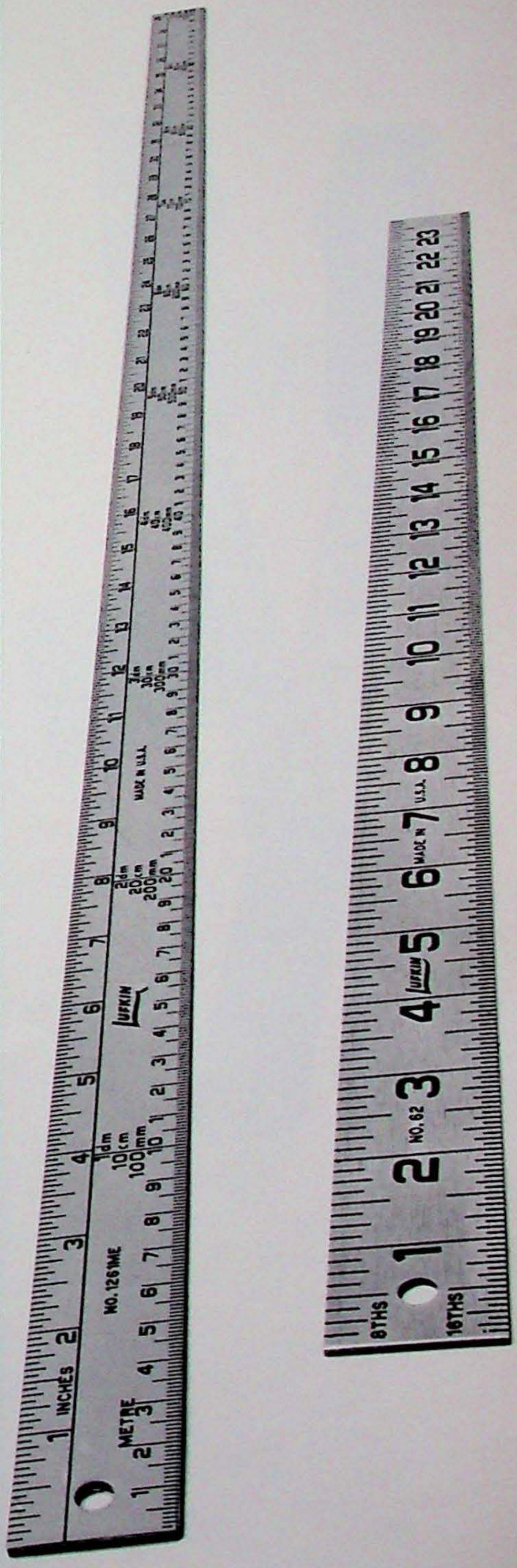
This metric steel rule is graduated both sides on the top edge to millimeters. Every tenth millimeter is numbered throughout length. Available in 300 and 600 millimeter lengths. Bold graduations are easy to read, rule lies flat, and has hang-up hole for storage. .030 thick.

Cat. No.	Desc.	Std. Pk.
60M-300	300mm x 18mm	1
60M-600	600mm x 18mm	1

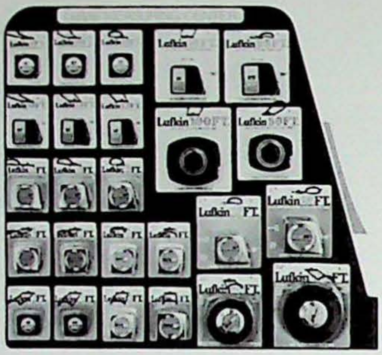
Metric Steel Rule 62 Series

This metric steel rule is graduated to millimeters on both edges and on both sides. Every tenth millimeter is numbered throughout. Bold graduations are easy to read. Rule is .062 thick. Available in 1 meter, 2 meters, 300 millimeter, and 600 millimeter lengths. Hang-up hole for storage.

Cat. No.	Desc.	Std. Pk.
62M-300	300mm x 31mm	1
62M-600	600mm x 31mm	1
62M-1M	1m x 31mm	1
62M-2M	2m x 31mm	1



Lufkin® Merchandisers



Lufkin TT-25 Merchandiser

The new TT-25 merchandiser from Lufkin offers the best of everything, including a wide variety of tapes for your customer, eye-catching appearance and the proven salesmanship of quality Lufkin products. Attractively displayed are top-of-the line, medium price and economical budget tapes, including a wide selection of the popular Mezurlok models.

This compact merchandiser, with its attention-getting shape and colorfully packaged tapes, concentrates all the top selling Lufkin models in one location for customer convenience and improved profitability. The NRHA approved display also features clear re-order information and space for electronic inventory control date on its hardboard back.

TT-25 Contains: One (1) each:

Cat. No.		Desc.
W926	½" x	6' Mezurall
W928	½" x	8' Mezurall
W9210	½" x	10' Mezurall
W9212	½" x	12' Mezurall
W826	½" x	6' Home Shop
W8210	½" x	10' Home Shop
W8212	½" x	12' Home Shop
W616	¼" x	6' Pee-Wee
W6110	¼" x	10' Pee-Wee
HW223	⅜" x	50' Banner White Clad
HW226	⅜" x	100' Banner White Clad
#50	⅜" x	50' Long Steel Tape
#100	⅜" x	100' Long Steel Tape
W9312	¾" x	12' Mezurall
W9316	¾" x	16' Mezurall
Y210	½" x	10' Mezurlok
Y212	½" x	12' Mezurlok
8010	½" x	10' Economy Tape
8012	½" x	12' Economy Tape
Y12	¾" x	12' Mezurlok
Y16	¾" x	16' Mezurlok
Y25	¾" x	25' Mezurlok
8312	¾" x	12' Economy Tape
8316	¾" x	16' Economy Tape
8325	¾" x	25' Economy Tape

Size: 36" x 33" — Ship. Wt. 40 lbs.
TT25A is refill assortment — 2 each

Lufkin WR-6 Merchandiser

Most of the wood rule models preferred by the professional as well as the home handyman are included in this merchandiser's assortment. Each individual type has proven sales popularity and combined, they represent 80% of the wood rules sold.

WR-6 Contains: Two (2) each:

Cat. No.	Desc.
X46	6' Carpenters Ext. Rule
066	6' Carpenters Rule
066D	6' Engineers Rule
460	6' Home Shop Rule
966	6' Two-Way Rule
636	6' Brickmasons Rule

Size: 7" x 33" — Ship. Wt.: 10 lbs.
WR-6A is refill assortment only — 2 each

2-BL Merchandiser

Go after the replacement blade market with this new Lufkin merchandiser! These tough, epoxy coated blades will fit the bulk of the tape rules sold in the U.S. — both Lufkin and other brands — and come displayed on hardboard complete with all inventory information.

2-BL Contains: Two (2) each:

Cat. No.
RW6
RW8
RY10
RY12
RY312
RY316
RY325

Size: 24⁵⁄₁₆" x 8⅝" — Ship. Wt. 8 lbs.
2-BLA is refill assortment — 2 each

Lufkin® Merchandisers

Lufkin MEASURING CENTER
Lufkin 50 FT
Lufkin 100 FT

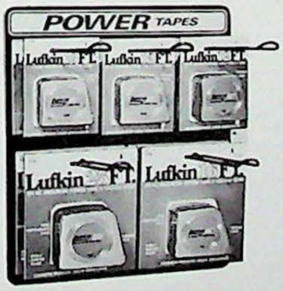
78-S Merchandiser

This fast selling assortment includes the dozen tapes most often bought on impulse and aims right at hobbyists, casual carpenters and do-it-yourselfers. These brightly packaged tapes are economy priced, yet offer such features as durable, high-impact styrene cases with convenient belt clips, bold, easy-to-read numbers and graduations, and Lufkin's exclusive Toggle Lock for positive blade control. And the inventory information on the display's hardboard back simplifies restocking.

78-S Contains: Two (2) each:

Cat. No.	Desc.
W616	¼" x 6' Pee Wee
W6110	¼" x 10' Pee Wee
W826	½" x 6' Home Shop
W8210	½" x 10' Home Shop
W8212	½" x 12' Home Shop
8010	½" x 10' Economy Tape
8012	½" x 12' Economy Tape
8312	¾" x 12' Economy Tape
8316	¾" x 16' Economy Tape
8325	¾" x 25' Economy Tape
#50	⅜" x 50' Long Steel Tape
#100	⅜" x 100' Long Steel Tape

Size: 30" x 14" — Ship. Wt. 21 lbs.
78-SA is refill assortment — 2 each



YPT5 Yellow Power Tape Merchandiser

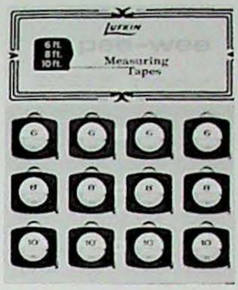
This brand new merchandiser from Lufkin gives you the famous Mezurlok® (5) Five. What we mean is, this assortment has been cut to the 5 highest turnover power tape measures. (No refills).

The New Lufkin YPT5 arrives ready to display, with only a minimum of set-up time required.

YPT5 Contains: 2 each:

Cat. No.	Desc.
Y210	½" x 10'
Y212	½" x 12'
Y12	¾" x 12'
Y16	¾" x 16'
Y25	¾" x 25'

Size: 12" x 14" — Ship. Wt. 8 lbs.



PW-1 Assortment

The PW-1 is a proven sales-maker, designed to either hang or stand up, it can be used in several departments. It contains four each of the three best selling pocket tapes — just right for the impulse purchaser.

PW-1 Contains: Four (4) each:

Cat. No.	Desc.
W616	¼" x 6' Pee-Wee
W618	¼" x 8' Pee-Wee
W6110	¼" x 10' Pee-Wee

Size: 9½" x 10" — Ship. Wt. 2.0 lbs.

METRIC
Lufkin
Lufkin
Lufkin
Lufkin

1ME Display

Lufkin's basic Metric-English display features the full range of popular-length tapes and the 2 meter/6 ft. wood folding rule. All are Metric-English to satisfy the increasing need for measuring devices offering both types of measurement. Tapes from 2 meters/6 feet to 30 meters/100 feet.

The 1ME display offers the most-frequently-demanded Metric-English tapes and rule, enabling you to meet the bulk of current customers' dual measurement requests.

1ME Contains:
Two of each, attractively packaged on compact wall merchandiser.

Cat. No.	Width	Length	Wt. Ea.
HW223ME	⅜"	15 meter/50 ft.	1 lb.
HW226ME	⅜"	30 meter/100 ft.	1¾ lbs.
W926ME	½"	2 meter/6 ft.	2 ozs.
W9210ME	½"	3 meter/10 ft.	3 ozs.
Y210ME	½"	3 meter/10 ft.	4 ozs.
Y10ME	¾"	3 meter/10 ft.	5 ozs.
Y16ME	¾"	5 meter/16 ft.	8 ozs.
062ME	⅝"	2 meter/6 ft.	4 ozs.

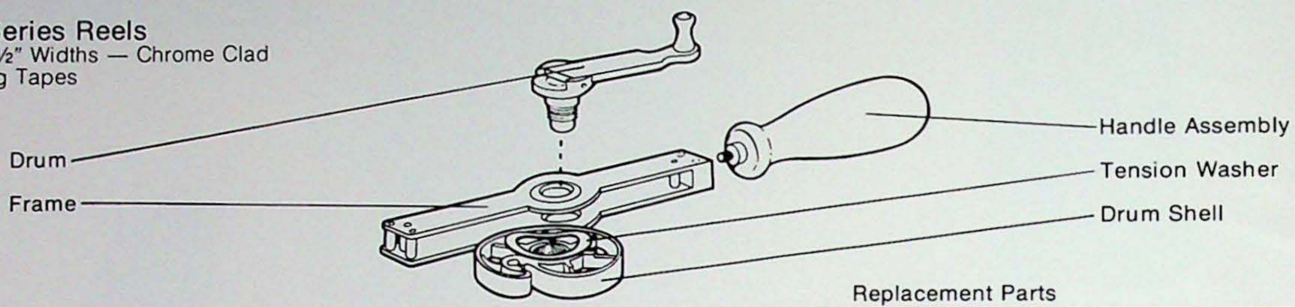
Size: 25" x 12" — Ship. Wt. 15 lbs.
1MEA is refill assortment only — 2 each

Replacement Parts for Reels and Frames

See catalog page no. 28 for listing of tape lines.

81 & 91 Series Reels

For ⅜" and ½" Widths — Chrome Clad and Gauging Tapes

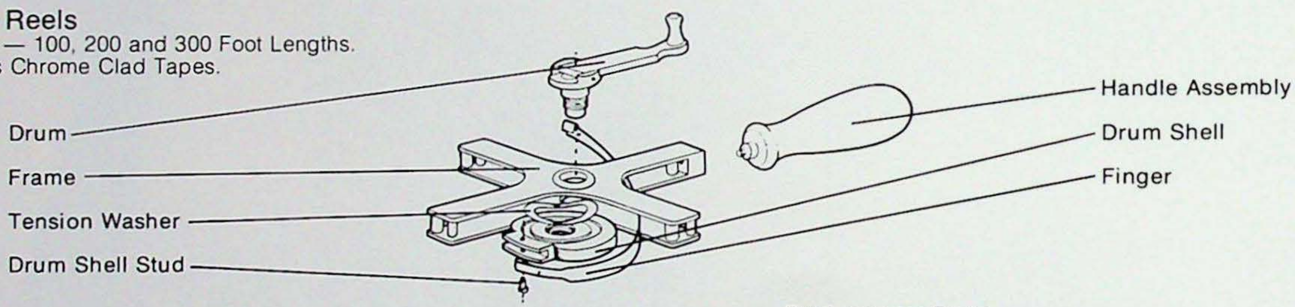

Drum
Frame
Handle Assembly
Tension Washer
Drum Shell

Replacement Parts

Tape Width	Tape Length	Frame Type	Reel No.	Drum Cat. No.	Frame Cat. No.	Handle Cat. No.	Tension Washer Cat. No.	Drum Shell Cat. No.
⅜"	50'	2 Arm	81-50	17124	10064	11819	17880	17282
⅜"	100'	4 Arm	81-100	17125	10065	11819	17880	17282
⅜"	200'	4 Arm	81-200	17127	10067	11819	17880	17282
½"	25'	2 Arm	91-25	17129	10069	11819	17880	17289
½"	50'	2 Arm	91-50	17130	10070	11819	17880	17289
½"	75'	4 Arm	91-75	17133	10071	11819	17880	17289

11 Series Reels

For ¼" wide — 100, 200 and 300 Foot Lengths.
Fits Peerless Chrome Clad Tapes.

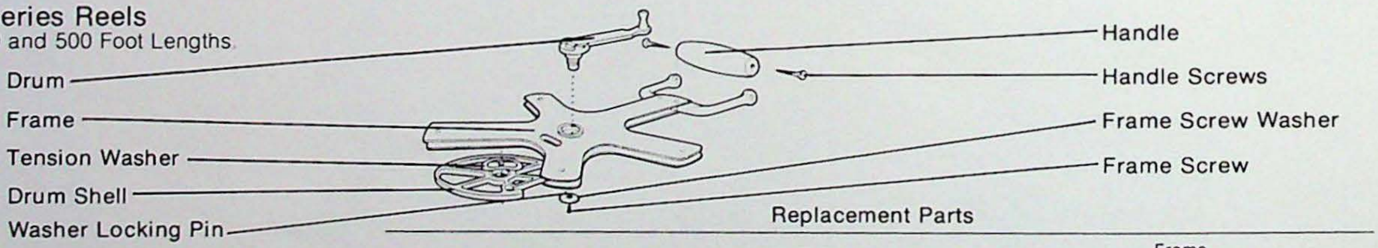

Drum
Frame
Tension Washer
Drum Shell Stud
Handle Assembly
Drum Shell
Finger

Replacement Parts

Tape Width	Tape Length	Frame Type	Reel No.	Drum Cat. No.	Frame Cat. No.	Handle Cat. No.	Tension Washer Cat. No.	Drum Shell Cat. No.	Finger Cat. No.	Drum Shell Stud Cat. No.
¼"	100'	4 Arm	11-100	17113	10033	1189	17880	17287	29365	17370
¼"	200'	4 Arm	11-200	17122	10036	1189	17880	17287	29365	17370
¼"	300'	4 Arm	11-300	17123	10037	1189	17880	17287	29365	17370

41 & 61 Series Reels

For 200, 300 and 500 Foot Lengths.

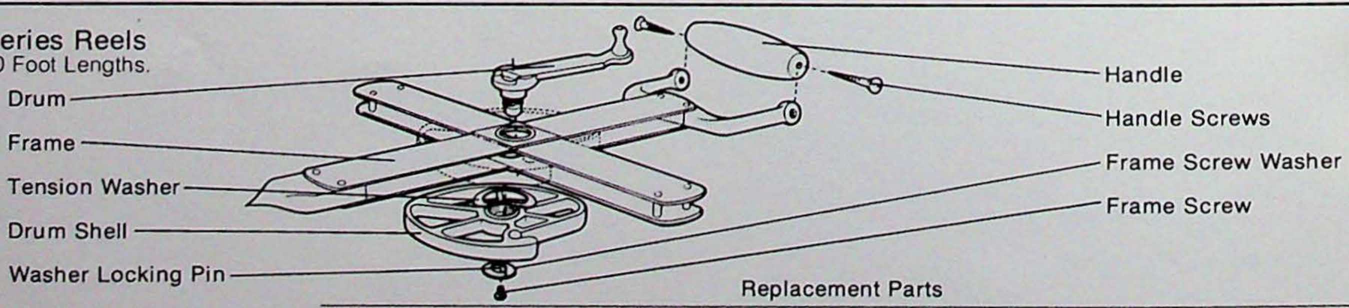

Drum
Frame
Tension Washer
Drum Shell
Washer Locking Pin
Handle
Handle Screws
Frame Screw Washer
Frame Screw

Replacement Parts

Tape Width	Tape Length	Frame Type	Reel No.	Drum Cat. No.	Frame Cat. No.	Handle Cat. No.	Tension Washer Cat. No.	Drum Shell Cat. No.	Washer Locking Pin Cat. No.	Frame Screw Washer Cat. No.	Frame Screw Cat. No.
⅛"	200'	5 Arm	41-200	17105	5315	11806	17880	17315	29395	12806	12401
⅛"	300'	5 Arm	41-300	17106	5315	11806	17880	17315	29395	12806	12401
⅛"	500'	5 Arm	41-500	17107	5315	11806	17880	17315	29395	12806	12401
5/16" or ¼"	200'	5 Arm	61-200	17105	5315	11806	17880	17296	29395	12806	12401
5/16" or ¼"	300'	5 Arm	61-300	17106	5315	11806	17880	17296	29395	12806	12401
5/16" or ¼"	500'	5 Arm	61-500	17107	5315	11806	17880	17296	29395	12806	12401

31 & 51 Series Reels

For Over 100 Foot Lengths.

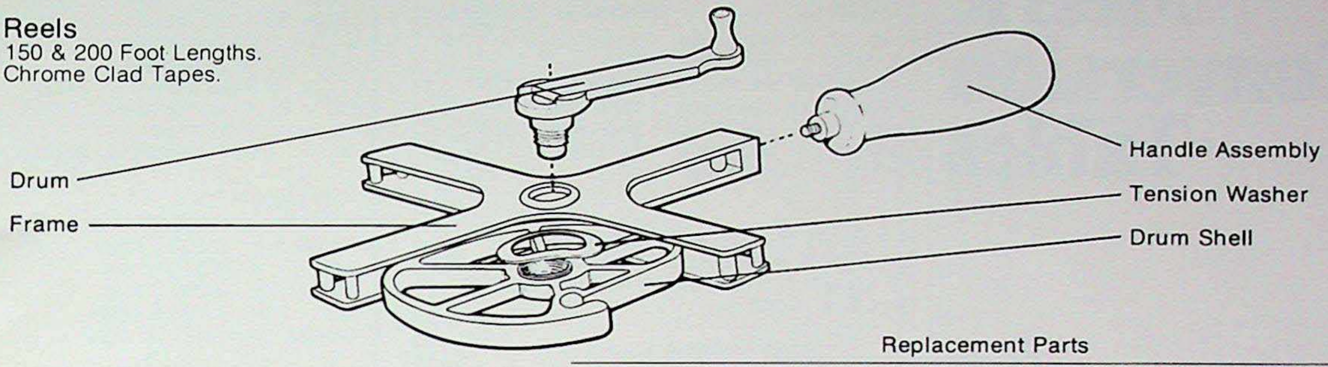

Drum
Frame
Tension Washer
Drum Shell
Washer Locking Pin
Handle
Handle Screws
Frame Screw Washer
Frame Screw

Replacement Parts

Tape Width	Tape Length	Frame Type	Reel No.	Drum Cat. No.	Handle Screws Cat. No.	Handle Cat. No.	Frame Cat. No.	Tension Washer Cat. No.	Drum Shell Cat. No.	Washer Locking Pin Cat. No.	Frame Screw Washer Cat. No.	Frame Screw Cat. No.
¼"	150'	4 Arm	31-150	17104	5315	11806	10056	17880	17296	29395	12806	12401
5/16"	200'	4 Arm	31-200	17105	5315	11806	10057	17880	17296	29395	12806	12401
5/16"	300'	4 Arm	31-300	17106	5315	11806	10058	17880	17296	29395	12806	12401
¼"	300'	4 Arm	51-300	17106	5315	11806	10046	17880	17296	29395	12807	12401
5/16"	500'	4 Arm	31-500	17107	5315	11806	10059	17880	17296	29395	12806	12401

12 Series Reels

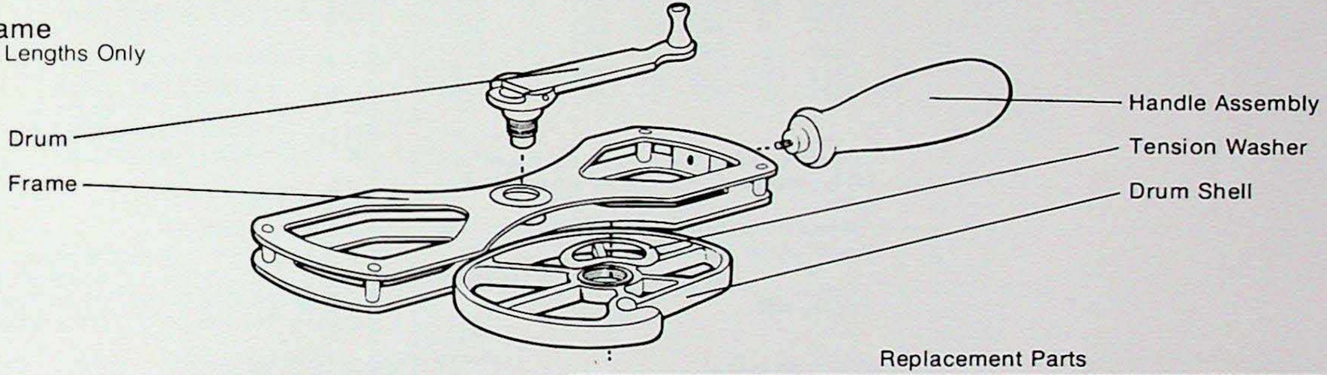
For ¼″ Wide 150 & 200 Foot Lengths.
Fits Western Chrome Clad Tapes.


Drum
Frame
Handle Assembly
Tension Washer
Drum Shell

				Replacement Parts				
Tape Width	Tape Length	Frame Type	Reel No.	Drum Cat. No.	Frame Cat. No.	Handle Cat. No.	Tension Washer Cat. No.	Drum Shell Cat. No.
¼″	150′	4 Arm	12-150	17119	10054	11819	17880	17296
¼″	200′	4 Arm	12-200	17119	10054	11819	17880	17296

31-100 Frame

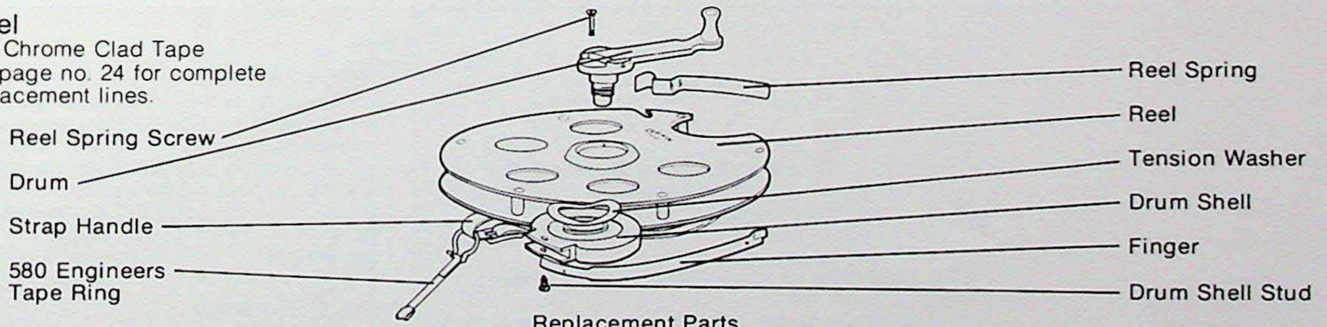
For 100 Foot Lengths Only


Drum
Frame
Handle Assembly
Tension Washer
Drum Shell

				Replacement Parts				
Tape Width	Tape Length	Frame Type	Reel No.	Drum Cat. No.	Frame Cat. No.	Handle Cat. No.	Tension Washer Cat. No.	Drum Shell Cat. No.
¼″ or ⁵⁄₁₆″	100′	2 Arm	31-100	17119	10054	11819	17880	17296

1376D Reel

For ¼″ Wide Chrome Clad Tape
See catalog page no. 24 for complete unit and replacement lines.

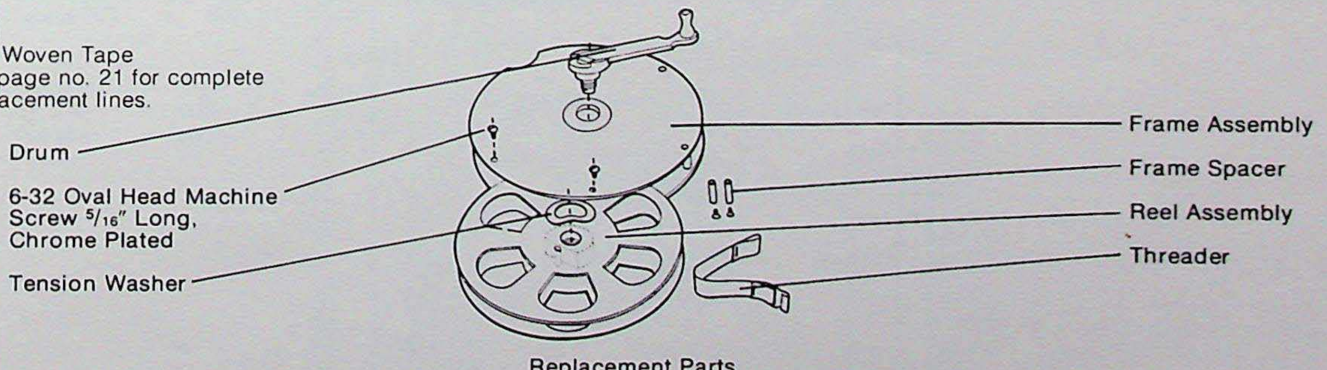

Reel Spring Screw
Drum
Strap Handle
580 Engineers Tape Ring
Reel Spring
Reel
Tension Washer
Drum Shell
Finger
Drum Shell Stud

Replacement Parts

Reel Spring Screw Cat. No.	Drum Cat. No.	Strap Handle Cat. No.	Reel Spring Cat. No.	Reel Cat. No.	Tape Ring Cat. No.	Tension Washer Cat. No.	Drum Shell Cat. No.	Drum Shell Stud	Finger Cat. No.
12454	17113	11814	12602	10452	580	17880	17287	17370	29365

1407 Reel

For ⅝″ Wide Woven Tape
See catalog page no. 21 for complete unit and replacement lines.


Drum
6-32 Oval Head Machine Screw ⁵⁄₁₆″ Long, Chrome Plated
Tension Washer
Frame Assembly
Frame Spacer
Reel Assembly
Threader

Replacement Parts

Drum Cat. No.	Screw Cat. No.	Frame Cat. No.	Tension Washer Cat. No.	Reel Cat. No.	Frame Spacer Cat. No.	Strap Handle Cat. No.	Threader Cat. No.
17055	5285	10239	17881	10830	12510	11814	20007

Lufkin® Metric Conversion Tables

Surveyor, Metric Tables

Useful Numbers in Surveying

For Converting		Multiplier	Converse
Feet	into Links	1.515	.66
Yards	into Links	4.545	.22
Square Feet	into Acres	.0000230	43560
Square Yards	into Acres	.0002066	4840
Feet	into Miles	.0001894	5280
Yards	into Miles	.0005682	1760
Chains	into Miles	.0125	80

A = Angle of slope with horizon.
L = Length of line chained on the slope.
l = Length of line reduced to the horizontal.
l = LK. K = cos A.

Table Showing Values of K

A°	K	A°	K	A°	K	A°	K
5	.996	14	.970	23	.920	32	.848
6	.994	15	.966	24	.913	33	.839
7	.992	16	.961	25	.906	34	.829
8	.990	17	.956	26	.899	35	.819
9	.988	18	.951	27	.891	36	.809
10	.985	19	.945	28	.883	37	.799
11	.982	20	.940	29	.875	38	.788
12	.978	21	.934	30	.866	39	.777
13	.974	22	.927	31	.857	40	.766

L = Length of base line measured in feet.
h = Means height of base line above sea level in feet.
c = Correction in feet to be subtracted from the length of the base line.

$$c = \frac{Lh}{20,890,592} \quad (\text{Log } 20,890,592 = 7.3199507)$$

1 Link = 7.92 inches.
1 Rod (or Pole) = 25 links = 16½ feet.
1 Chain = 100 links = 4 rods = 66 feet.
1 Furlong = 40 rods = 10 chains = ⅛ mile.
1 Mile = 320 rods = 5,280 feet.
1 Acre = 160 square rods = 43,560 square feet.
1 Square Mile = 640 acres.

NOTE: To Set Out a Right Angle with a Chain, take 40 links for the base, 30 links for the perpendicular and 50 for the hypotenuse

1 kilogram per meter = .6720 pounds per foot.
1 gram per square millimeter = 1.422 pounds per square inch.
1 kilogram per square meter = 0.2084 pounds per square foot.
1 kilogram per cubic meter = .0624 pounds per cubic foot.
1 degree centigrade = 1.8 degrees Fahrenheit.
1 pound per foot = 1.488 kilograms per meter.
1 pound per square foot = 4.882 kilograms per square meter.
1 pound per cubic foot = 16.02 kilograms per cubic meter.
1 degree Fahrenheit = .5556 degrees centigrade.
1 Calorie (French Thermal Unit) = 3.968 B.T.U. (British Thermal Unit).

1 Horse Power = 33,000 foot pounds per minute
746 Watts.

1 Watt (Unit of Electrical Power) = .00134 Horse Power
44.22 foot pounds per minute.
1000 Watts

1 Kilowatt = 1.34 Horse Power.
44,220 foot pounds per minute.

Common Conversions

Length

Customary to Metric (exact)

1 inch = 25.4 millimeters
1 inch = 2.54 centimeters
1 foot = 30.48 centimeters
1 foot = 0.3048 meter
1 yard = 91.44 centimeters
1 yard = 0.9144 meter
1 mile = 1.609 kilometers (approx.)

Metric to Customary

1 millimeter = 0.039 37 inch
1 centimeter = 0.393 7 inch
1 meter = 39.37 inches
1 meter = 3.280 8 feet
1 meter = 1.093 6 yards
1 kilometer = 0.621 37 mile

Volume

Customary (U.S.) to Metric

1 fluid ounce = 29.57 milliliters
1 pint (liq.) = 473.18 milliliters
1 quart (liq.) = 0.946 4 liter
1 gallon (liq.) = 3.785 4 liters

Metric to Customary (U.S.)

1 milliliter = 0.033 8 fluid ounce
1 liter = 2.113 4 pint (liq.)
1 liter = 1.056 7 quarts (liq.)
1 liter = 0.264 2 gallon (liq.)

Weight (Mass)

Customary to Metric

1 ounce (dry) = 28.35 grams
1 pound = 0.453 6 kilograms
1 short ton (2000 lb.) = 907.2 kilogram
1 short ton (2000 lb.) = 0.9072 metric ton

Metric to Customary

1 gram = 0.035 27 ounce
1 kilogram = 2.204 6 pounds
1 metric ton = 2204.6 pounds
1 metric ton = 1.102 tons (short)

Area

Customary to Metric

1 square inch = 645.16 square millimeters
1 square inch = 6.451 6 square centimeters
1 square foot = 929.03 square centimeters
1 square foot = 0.092 9 square meter
1 square yard = 0.836 square meter
1 acre = 0.404 7 square hectometer
1 acre = 0.404 7 hectare
1 square mile = 2.59 square kilometers

Metric to Customary

1 square millimeter = 0.001 55 square inch
1 square centimeter = 0.155 0 square inch
1 square meter = 10.764 square feet
1 square meter = 1.196 square yards
1 square hectometer = 2.471 acres
1 hectare = 2.471 acres
1 square kilometer = 0.386 square mile

Force

Kilogram	9.807	newtons (N)
Ounce	0.278 0	newtons
Pound	4.448	newtons

NUMERICAL INDEX

Catalog No.	Page
1ME	39
1MEA	39
1P	14
PW1	39
2BL	38
2BLA	38
YPT5	39
C6	1
RC6	1, 4
RN6ME	7
RW6	3, 5
RW6ME	3, 4, 5
RWO6PD	6
WR6	38
WR6A	38
C8	1
RC8	1, 4
RW8	2, 3
RY8	1
C10	1
RC10	1, 4
RW10	2, 3, 5
RW10D	3
RW10ME	3, 4, 5
RY10	1
RY10ME	2
RY10MEX	3
Y10ME	2
11-100	28
11-200	28
11-300	28
C12	1
12D	2
Y12	1
12-150	28
12-200	28
RC12	1, 4
RC12X	1, 4
RW12	2, 3, 5
RY12	1
Y16	1
Y16M	2
Y16ME	2
YPT5	39
LW23	15
OLW23	15
TY25	1
Y25	1
TT25	38
TT25A	38
Y26ME	2
Y28	1
31-100	28
31-150	28
31-200	28
31-300	28
31-500	28
RW33MD	2
34V	35
34¼V	35
41-200	28
41-300	28
41-500	28
X46	32
X46F	32
X46X	32
HX46	32
X48	32
HX48	32
50	13
OY50	13
HW50	13
OHW50	13
51-300	28
60-12"	37
60-24"	37
60M-300	37
60M-600	37
61-200	28
61-300	28
61-500	28
O62M	33
O62MD	33
O62ME	33
62-1 Ft.	37
62-2 Ft.	37
62-3 Ft.	37
62-4 Ft.	37
62-6 Ft.	37
62M-300	37
62M-600	37
62M-1M	37
62M-2M	37
O66	32
O66D	33
O66F	32
HO66	32
O68	32
O68F	32
78S	39
78SA	39
81-50	28
81-100	28
81-200	28
86	35
RN88	7
91-25	28
91-50	28
91-75	28
95-3 Ft.	37
95-4 Ft.	37
100	13
OY100	13
HW100	13
OHW100	13
112P	13
O112P	13
Y116	1
120CH	14
O120CH	14
120P	13
O120P	13
120TP	13
C120TP	13
O120TP	13
OC120TP	13
125CH	14
O125CH	14
Y125	1
143PD	7
O143PD	7
143PM	8
146ME	7
O146ME	7
146P	7
O146P	7
146PD	7
O146PD	7
146PM	8
SP191 00047	10
SP191 00048	10
SP191 00049	10
SP191 00050	10
PW156ME	8
202	15
C210	9
OC210	9
Y210	1
Y210M	2
Y210ME	2
C212X	1
Y212	1
C213	9
C213MD	9
C213ME	10
OC213	9
C213-16ths	9
C213-16ths BLK	9
OC213-16ths	9
OC213-16ths BLK	9
HC213	9
HC213D	9
OHC213	9
OHC213D	9
C213C	9
OC213C	9
C213CX	9
OC213CX	9
C213D	9
OC213D	9
C213M	9
C216	9
C216MD	9
C216ME	10
OC216	9
C216-16ths	9
C216-16ths BLK	9
C216D	9
C216M	9
OC216D	9
OC216 16ths	9
OC216 16ths BLK	9
HC216	9
OHC216	9
HC216D	9
OHC216D	9
C217	9
C217M	9
HW220	12
OHW220	12
HW223	12
HW223M	12
HW223ME	12
OHW223	12
HW223D	12
OHW223D	12
OHW223ME	12
W223ME	12
HW226	12
HW226M	12
HW226ME	12
OHW226	12
HW226D	12
OHW226D	12
OHW226ME	12
W226ME	12
HW227M	12
HW227ME	12
HC250	10
OHC250	10
C253	10
C253 BLK	10
OC253	10
HC253	10
OHC253	10
C256	10
OC256	10
HC256	10
OHC256	10
263P	10
O263P	10
263TP	11
S263	11
OS263	11
RW310	3
RY310ME	2
RC312	4
RW312	2, 3
RY312	1, 2
RW312D	2, 3
C313	9
OC313	9
C313D	9
OC313D	9
C316	9
OC316	9
C316D	9
OC316D	9
RW316	2, 3
RY316	1, 2
RY316ME	2
RY325	1
RTY325	1
RY326ME	2
W393	8
403	20
O403	20
403D	20
O403D	20
403M	21
O403M	21
403ME	21
O403ME	21
H403	20
OH403	20
H403D	20
OH403D	20
404L	20
O404L	20
406	20
O406	20

Catalog No.	Page
406D	20
O406D	20
406M	21
O406M	21
O406ME	21
406ME	21
H406	20
OH406	20
H406D	20
OH406D	20
H433	11
O433ME	11
OH433	11
433ME	11
H436	11
O436ME	11
OH436	11
436ME	11
437ME	11
H433ME	11
H436ME	11
H437ME	11
450EM	35
460	34
460F	34
460M	34
460ME	34
524	35
552	29
552½	29
576	31
576A	31
576B	31
576D	31
576E	31
576F	31
576G	31
577	31
577B	31
577C	31
577D	31
577E	31
577F	31
577G	31
577H	31
577K	31
577M	31
577P	31
577R	31
577T	31
579	30
580	29
580E	29
580F	29
580H	29
580T	29
581	30
581C	30
582	30
583	30
583C	30
584	29
586	29
586D	29
587	18
587½	18
588	18
590	18
590A	18
TIP/590A	18
590G	18
590GM	18
593 14"	30
596	30
596A	30
597	30
599 Wiper	18
599 Pads	18
W605A	8
W606	6
W606ME	6
W606P	6
W606PD	6
W606PM	6
W608	6
W616	5
RW616	5, 6
W616ME	6
W618	5
RW618	5, 6
626	33
636 Rugged	34
646 Rugged	34
663	21
O663	21
663D	21
O663D	21
688	7
703	19
O703	19, 20
703D	19, 20
O703D	19
706	19
O706	19, 20
706D	19
O706D	19, 20
W726ME	3
W728	2
RN810	7
W826	5
W826ME	5
C926	4
C926ME	5
W926	3
W926M	4
W926ME	4
C928	4
W928	3
W933MD	2
966	33
966M	33
1066D	33
1066MD	33
1260	37
1261ME	37
C1276	23
C1276D	23
OC1276	23
OC1276D	23
C1278	23
OC1278	23
C1278D	23
OC1278D	23
C1279	23
OC1279	23
C1279D	23
OC1279D	23
1279X	23
O1279X	23
1279DX	23
O1279DX	23
1281 F/588	17
O1281 F/588	17
1283 F/588	17
O1283 F/588	17
OC1283 F/588	17
C1286	22
OC1286	22
C1286D	22
OC1286D	22
C1288	22
OC1288	22
C1290½S F/590	16
OC1290½S F/590	16
1290S F/590	17
O1290S F/590	17
OC1290S F/590	16
C1290S F/590	16
1291S F/590	17
O1291S F/590	17
1291SM F/590	17
O1291SM F/590	17
C1291SM F/590	16
OC1291SM F/590	16
C1291S F/590	16
OC1291S F/590	16
1293S F/590	17
1293SM F/590	17
O1293SM F/590	17
O1293S F/590	17
C1293S F/587	16
C1293SD F/590	16
OC1293SD F/590	16
OC1293S F/587	16
C1293SM F/590	16
OC1293SM F/590	16
C1293SME F/590	16
1293SME Mex. F/590	17
O1293SME Mex. F/590	17
C1293S F/590	16
OC1293S F/590	16
OC1293SME F/590	16
S1293 F/590	17
OS1293S F/590	17
C1294S F/590	16
C1294S F/587	16
OC1294S F/587	16
1294S F/590	17
O1294S F/590	17
C1294SM F/590	16
OC1294SM F/590	16
1294SM F/590	17
O1294SM F/590	17
1294SME Mex. F/590	17
O1294SME Mex. F/590	17
OC1294S F/590	16
C1294SME F/590	16
OC1294SME F/590	16
1295S F/590	17
O1295S F/590	17
C1295S F/590	16
OC1295S F/590	16
1296SME Mex. F/590	17
O1296SME Mex. F/590	17
1296SM F/590	17
O1296SM F/590	17
C1296SM F/590	17
OC1296SM F/590	16
C1296S F/590	16
OC1296S F/590	16
C1296SME F/590	16
OC1296SME F/590	16
C1376D	24
1407	21
O1407	21
1407D	21
O1407D	21
1407M	21
O1407M	21
1407ME	21
O1407ME	21
C1676D	22
OC1676D	22
1686ME	7
1688	7
1703	20
1703D	20
1706	20
1706D	20
1707	20
O1707	20
1707D	20
O1707D	20
1715M	20
1730M	20
1750M	20
O1715M	20
O1730M	20
O1750M	20
C2276D	19
OC2276D	19
C2276M	19
OC2276M	19
C2276ME	19
OC2276ME	19
O3100	27
O3100A	27
O3100B	27
3176ME	8
O3200B	27
O3300B	27
O3500B	27
O4164M	27
O4200B	27
O4300B	27
O4328M	27
O4500B	27
O5066A	26
O5100A	26
O5100B	26
O5100M	26

Catalog No. Page
OC5100B 26
O5164M 26
O5165T 27
O5200B 26
OC5200B 26
O5300B 26
OC5300B 26
O5328M 26
O5500B 26
O5500 30G 26
OC5500B 26
W6110 5
RW6110 5
6810 7
7112ME 36
7122 35
7127 35
7132 36
7133 36
7134 36
7135 36
7137 36
7139 36
7142 36
7144 36
7146 36
7148 36

Catalog No. Page
7149 36
7165 36
7166 36
7170 36"L 36
7171 48" L 36
7172 60"L 36
W7210 2
W7210ME 3
W7212 2
Y7210MEX 3
W7312 2
Y7312 2
W7316 2
Y7316 2
8010 5
8012 5
8100 24
8100M 24
8150 24
8164M 24
W8210 5
W8210ME 5
W8212 5
8312 5
8316 5
8325 5
O9100 25

Replacement parts for reels & frames 40, 41

Catalog No. Page
O9100A 25
O9100B 25
OC9100 25
OC9100B 25
OC9100M 25
OC9164M 25
O9200B 25
OC9200B 25
C9210 4
C9210M 5
C9210ME 5
W9210 3
W9210D 3
W9210M 4
W9210ME 4
Y9210M 4
C9212 4
C9212X 4
W9212 3
O9300B 25
OC9300B 25
W9310 3
C9312 4
W9312 3
W9312D 3
W9316 3
OC9328M 25

Lufkin Measuring Tools
Catalog 203

TheCooperGroup

COOPER INDUSTRIES

BOKER® • CRESCENT® • LUFKIN®
NICHOLSON® • WELLER® • WISS® • XCELITE®
P.O. BOX 728, APEX, NORTH CAROLINA 27502, 919 362-7511

PRINTED IN USA CP 6-76-30M

[illegible]